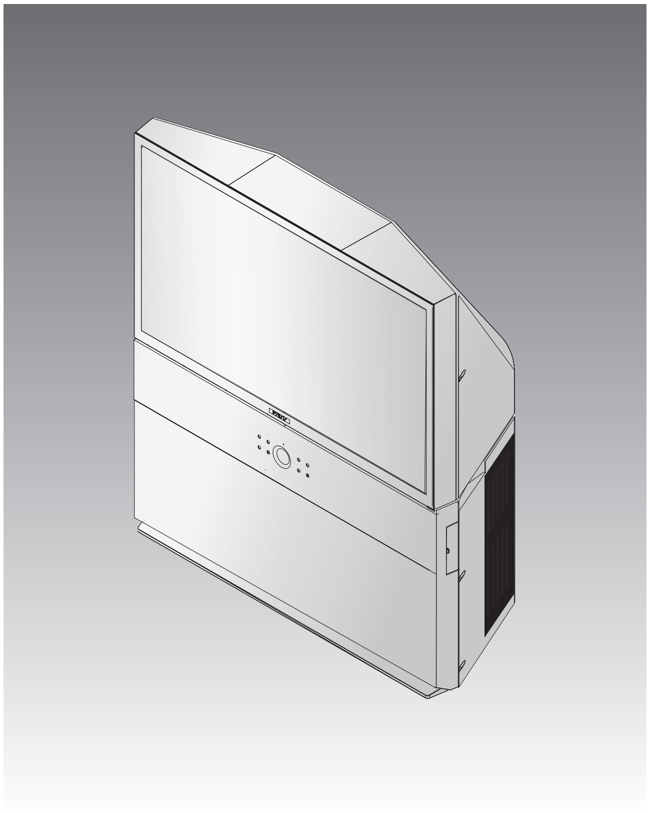
PROJECTION TV RECEIVER

Chassis : J57A(P)REV.1
Model: SP52Q7HRX/AAG

SERVICE Manual

PROJECTION TV RECEIVER



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1. Alignment and Adjustments

1-1 When entering the service mode:

1. Turn on the TV, and then select “DYNAMIC”on the picture adjustment mode.

2. Turn off the TV(STAND-BY)

3. Enter the service mode by pressing the remote control keys in the following sequence:

Display --> Menu --> Mute --> Power ON

Note : If necessary, re-do steps 1~3.
Initial display when the service mode is switched.

1-1-1 When a RF signal is received

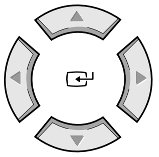
SERVICE MODE

DEFLECTION1
DEFLECTION2
VIDEO ADJUST1
VIDEO ADJUST2
VIDEO ADJUST3
PC OFFSET
AD9888 & FLI2200
DNIe 2
ASI500
Others
YC Delay
OPTION
CHECKSUM
RESET

T_EXDPCH_XXXX
yy.mm.dd

1-1-2 Service Mode Control Keys

Main Menu	Main Displsy
UP/DOWN	Select item by moving cursor
RIGHT/LEFT	Decrease or increase the adjustment values



Navigation Key

✍ PRECAUTIONS

1. When EEPROM IC(IC810) is replaced, first connect the power cord and wait for about 4~5 seconds.

2. After replacing EEPROM IC(IC810), enter the Service mode. Next, enter the standard data or the previous EEPROM IC data before replacement. And then check and adjust any items related to Deflection, Video Adjust, Option.

1-2 Factory Data

1-2-1 Defection1

ITEM	INITIAL DATA	RANGE	EEP-ROM Copy Data		REMARK
			RF~COMP2	PC/DVI	
V-POSITION	31	0 ~ 63	31	31	Fix
V-SIZE	31	0 ~ 63	31	20	Variable
V-ASPECT	5	0 ~ 63	5	5	Fix
H-SIZE	31	0 ~ 63	31	20	Variable
H-POSITION	34	0 ~ 63	34	32	Fix
UP-PIN	50	0 ~ 63	50	40	Fix
LO-PIN	50	0 ~ 63	50	40	Fix
UP-CPIN	20	0 ~ 63	20	15	Fix
LO-CPIN	20	0 ~ 63	20	20	Fix
PIN-PHASE	31	0 ~ 63	31	31	Fix
HAO	15	0 ~ 63	15	20	Fix
VAO	15	0 ~ 63	15	30	Fix
LEFT-BLK	20	0 ~ 63	20	31	Fix
RIGHT-BLK	31	0 ~ 63	31	31	Fix
V-TIM	22	0 ~ 255	22	22	Fix
V-FRT-BLK	0	0 ~ 255	0	0	Fix
V-BK-BLK	31	0 ~ 63	31	31	Fix
V-SCROLL	31	0 ~ 63	31	31	Fix
V-JMP-SW	1	0 ~ 1	1	1	Fix
BLK-SW	1	0 ~ 1	1	1	Fix

1-2-2 Defection2

ITEM	INITIAL DATA	RANGE	EEP-ROM COPY DATA		REMARK
			ALL MODE	-	
H-FREQ	64	0 ~ 255	64	-	Fix
CLP	3	0 ~ 15	3	-	Fix
FHADJ	1	0 ~ 15	1	-	Fix
V-S-CORR	0	0 ~ 15	0	-	Fix
V-LIN	7	0 ~ 15	7	-	Fix
VFREQ	2	0 ~ 15	2	-	Fix
UP-VLIN	0	0 ~ 15	0	-	Fix
LO-VLIN	0	0 ~ 15	0	-	Fix
MAX-LINE	203	0 ~ 255	203	-	Fix
AFC-RANGE	1	0 ~ 1	1	-	Fix
FH-SW	1	0 ~ 1	1	-	Fix
AFC-MODE	0	0 ~ 3	0	-	Fix
HBLK-SW	0	0 ~ 1	0	-	Fix
HSG-SW	0	0 ~ 1	0	-	Fix
VSYNC-SW	0	0 ~ 1	0	-	Fix
INTER-MODE	0	0 ~ 3	0	-	Fix
ZOOM-SW	0	0 ~ 1	0	-	Fix
Z-CUT	0	0 ~ 1	0	-	Fix
V-FREE	0	0 ~ 1	0	-	Fix
NONINTER	1	0 ~ 1	1	-	Fix

1-2-3 Video Adjust1

ITEM	INITIAL DATA	RANGE	EEP-ROM COPY DATA		REMARK
			ALL MODE	W/B Adjust Initial Data	
R-DRIVE	31	0 ~ 63	31	-	Variable
G-DRIVE	31	0 ~ 63	31	-	Fix
B-DRIVE	31	0 ~ 63	31	-	Variable
R-CUTOFF	31	0 ~ 63	31	-	Variable
G-CUTOFF	31	0 ~ 63	31	-	Fix
B-CUTOFF	31	0 ~ 63	31	-	Variable
SUB-BRIGHT	20	0 ~ 63	20	-	Variable
CR-OFFSET1	7	0 ~ 15	7	-	Fix
CB-OFFSET1	7	0 ~ 15	7	-	Fix
CR-OFFSET2	7	0 ~ 15	7	-	Fix
CB-OFFSET2	7	0 ~ 15	7	-	Fix
SUB-CON	7	0 ~ 15	7	-	Variable
SUB-COL	7	0 ~ 15	13	-	Fix
SUB-HUE	7	0 ~ 15	9	-	Fix
CTI-LEVEL	1	0 ~ 3	1	-	Fix
RYR	7	0 ~ 15	10	-	Fix
RYB	14	0 ~ 15	14	-	Fix
GYR	7	0 ~ 15	7	-	Fix
GYB	4	0 ~ 15	5	-	Fix
LRGB2-LVL	7	0 ~ 15	7	-	Fix
GAMMA	4	0 ~ 15	5	-	Fix
PABL-LEVEL	15	0 ~ 15	15	-	Fix
BLK-BOTTOM	15	0 ~ 15	15	-	Fix

1-2-4 Video Adjust2

ITEM	INITIAL DATA	RANGE	EEP-ROM	COPY DATA	REMARK
			RF~COMP1 (480i)	COMP1(480p) /COMP2 PC/DVI	
LIMIT-LEVEL	0	0 ~ 3	0	0	Fix
SYSTEM	2	0 ~ 3	2	3	Fix
CLP-MSK	0	0 ~ 3	0	0	Fix
ABL-MODE	3	0 ~ 3	3	3	Fix
ABL-TH	0	0 ~ 3	0	0	Fix
HSEP-SEL	1	0 ~ 1	1	1	Fix
FIX-SYNC	1	0 ~ 3	1	1	Fix
V-TC	0	0 ~ 3	0	0	Fix
H-WIDTH	2	0 ~ 3	2	2	Fix
HD-TC	0	0 ~ 1	0	0	Fix
HS-MASK	0	1 ~ 1	0	0	Fix
SUB-SHP	2	0 ~ 3	2	2	Fix
SHP-FO	1	0 ~ 3	2	3	Fix
PRE-OVER	0	0 ~ 3	3	2	Fix
LTI-LEVEL	0	0 ~ 3	0	1	Fix
VM-LEVEL	2	0 ~ 3	1	2	Fix
VM-DEL	1	0 ~ 3	2	1	Fix
DC-TRAN	2	0 ~ 3	1	2	Fix
D-PIC	3	0 ~ 3	3	3	Fix

1-2-5 Video Adjust3

ITEM	INITIAL DATA	RANGE	EEP-ROM	COPY DATA	REMARK
			ALL MODE	-	
IFC-RF	2	0 ~ 3	0	-	Fix
IFC-VIDEO	0	0 ~ 3	0	-	Fix
IFC-SVIDEO	0	0 ~ 3	0	-	Fix
IFC-DVD	2	0 ~ 3	0	-	Fix
CBW-RF	2	0 ~ 3	2	-	Fix
CBW-VIDEO	2	0 ~ 3	2	-	Fix
CBW-SVIDEO	3	0 ~ 3	3	-	Fix
CBW-DVD	3	0 ~ 3	3	-	Fix
PEAK-FILTER	2	0 ~ 3	2	-	Fix
PEAK-GAIN	5	0 ~ 7	5	-	Fix
VPC-CONT	45	0 ~ 63	42	-	Fix
PKCOR	0	0 ~ 1	0	-	Fix
VPC-BRIGHT	16	0 ~ 255	16	-	Fix
LPF2	0	0 ~ 3	0	-	Fix
CBW2	0	0 ~ 1	0	-	Fix
CIPSAT-CR	40	0 ~ 63	45	-	Fix
CIPSAT-CB	40	0 ~ 63	45	-	Fix
CIPTNT	0	0 ~ 63	0	-	Fix
CIPCONT	32	0 ~ 63	32	-	Fix
CIPBRIGHT	58	0 ~ 255	64	-	Fix
SATURATION	0	-127 ~ +127	0	-	Fix
VPC-TINT	0	-127 ~ +127	0	-	Fix

1-2-6 PC Offset

ITEM	INITIAL DATA	RANGE	EEP-ROM COPY DATA		REMARK
			PC-MODE		
R-DRIVE	-1	-31 ~ +31	21		Fix
G-DRIVE	0	-31 ~ +31	21		Fix
B-DRIVE	7	-31 ~ +31	21		Fix
R-CUTOFF	1	-31 ~ +31	0		Fix
G-CUTOFF	0	-31 ~ +31	0		Fix
B-CUTOFF	-4	-31 ~ +31	0		Fix
SUB-BRIGHT	-3	-31 ~ +31	-9		Fix
SUB-CON	5	-7 ~ +7	7		Fix
SUB-COL	0	-7 ~ +7	0		Fix
SUB-HUE	0	-7 ~ +7	0		Fix

1-2-7 AD9888 & FLI2200

ITEM	INITIAL DATA	RANGE	EEP-ROM COPY DATA		REMARK
			ALL-MODE	-	
AD9888					Fix
GREEN GAIN	128	0~255	128	-	Fix
RED GAIN	128	0~255	128	-	Fix
BLUE GAIN	128	0~255	128	-	Fix
GREEN OFFSET	64	0~127	64	-	Fix
RED OFFSET	64	0~127	64	-	Fix
BLUE OFFSET	64	0~127	64	-	Fix
Pb GAIN	128	0~255	128	-	Fix
Y GAIN	128	0~255	128	-	Fix
Pr GAIN	128	0~255	128	-	Fix
Pb OFFSET	81	0~127	81	-	Variable
Y OFFSET	67	0~127	67	-	Variable
Pr OFFSET	80	0~127	80	-	Variable
FLI 2200					
Y CLAMP	0	0~255	0	-	Fix
C CLAMP	128	0~255	128	-	Fix
Y DELAY	4	0~7	4	-	Fix
C DELAY	11	0~15	11	-	Fix
TEST 3D	32	0~255	32	-	Fix
TEST 3E	8	0~255	8	-	Fix
TEST 3F	128	0~255	128	-	Fix
MOTION DEF	60	0~255	60	-	Fix

1-2-8 DNIe2

ITEM	INITIAL DATA	RANGE	EEP-ROM COPY DATA				REMARK
			RF	Video (Video,S-VHS, 480i/576i)	DTV (480p/576p /720p/1080i)	PC/DVI	
NR SCALEMAX Y	26	0~255	55	55	55	55	Fix
NR SCALEMAX C	26	0~255	46	46	46	46	Fix
NR SCALEMIN Y	12	0~255	20	20	20	20	Fix
NR SCALEMIN C	12	0~255	16	16	16	16	Fix
NR HPF TH	0	0~7	0	0	5	5	Fix
NR EDGE TH	4	0~7	4	4	5	5	Fix
NR SEL	2	0~3	2	2	2	2	Fix
CE UPPER	196	0~255	196	196	220	208	Fix
CE CUTOFF	52	0~255	52	52	42	32	Fix
CE GAIN L	45	0~255	0	45	45	48	Fix
CE GAIN U	35	0~255	0	35	35	48	Fix
DCE GAIN L	64	0~255	64	64	64	48	Fix
DCE GAIN U	64	0~255	64	64	64	48	Fix
DE GAIN	64	0~127	0	0	0	0	Fix
DE NOISE DET GAIN	8	0~15	10	10	10	10	Fix
DE CORING	0	0~63	3	2	1	1	Fix
DE H CONT	8	0~1023	8	8	128	128	Fix
DE V CONT	32	0~1023	32	32	128	128	Fix
WS ON	1	0~1	1	1	0	0	Fix
WS GAIN + 367	8	0~2047	8	8	8	8	Fix
CTE GAIN	64	0~511	64	64	32	176	Fix
WTE GAIN + 250	50	0~1023	50	50	50	50	Fix
R NR ON	1	0~1	1	1	1	1	Fix
R NOISE TH1	8	0~127	8	8	3	3	Fix
R NOISE TH2	72	0~255	72	72	25	25	Fix
R NOISE TH3	128	0~1023	128	128	45	45	Fix
R GAIN2 H	64	0~127	64	127	127	127	Fix
R GAIN2 V	64	0~127	64	127	127	127	Fix

1-2-9 ASI500

ITEM	INITIAL DATA	RANGE	EEP-ROM COPY DATA		REMARK
			ALL MODE	-	
R CONTRAST	32	0~128	32	-	Flix
G CONTRAST	32	0~128	32	-	Flix
B CONTRAST	32	0~128	32	-	Flix
R BRIGHTNESS	0	0~128	0	-	Flix
G BRIGHTNESS	0	0~128	0	-	Flix
B BRIGHTNESS	0	0~128	0	-	Flix
R GAMMA	32	0~63	32	-	Flix
G GAMMA	32	0~63	32	-	Flix
B GAMMA	32	0~63	32	-	Flix
FILTER ML	0	0~16	0	-	Flix
FILTER MR	0	0~16	0	-	Flix
FILTER FR	0	0~1	0	-	Flix
FILTER MC	16	0~63	16	-	Flix
FILTER UC	0	0~16	0	-	Flix
FILTER LC	0	0~16	0	-	Flix
FILTER BYPASS	0	0~1	0	-	Flix
OVERSCAN B	64	0~255	64	-	Flix
OVERSCAN G	64	0~255	64	-	Flix
OVERSCAN R	64	0~255	64	-	Flix
PIP CONT R	32	0~128	32	-	Flix
PIP CONT G	32	0~128	32	-	Flix
PIP CONT B	32	0~128	32	-	Flix
PIP BRIGHT R	0	0~128	0	-	Flix
PIP BRIGHT G	0	0~128	0	-	Flix
PIP BRIGHT B	0	0~128	0	-	Flix
PIP GAMMA R	0	0~63	32	-	Flix
PIP GAMMA G	0	0~63	32	-	Flix
PIP GAMMA B	0	0~63	32	-	Flix
PIP FILTER LC	0	0~16	0	-	Flix
PIP FILTER ML	0	0~16	0	-	Flix
PIP FILTER MR	0	0~16	0	-	Flix
PIP FILTER UC	0	0~16	0	-	Flix

1-2-10 Others

ITEM	INITIAL DATA	RANGE	EEP-ROM COPY DATA		REMARK
			ALL MODE	-	
ACC HIGH	100	0	100	-	Fix
ACC LOW	70	0	70	-	Fix
ACC L LEVEL	100	0	100	-	Fix
NOISE HIGH	17	0	17	-	Fix
NOISE LOW	13	0	13	-	Fix
VIDEO MUTE	8	0~10	8	-	Fix
V SILCE	0	0~3	0	-	Fix
SW FILTER	100Hz	0~11	100Hz	-	Fix
PIXEL SHIFT	On	0~1	On	-	Fix
SHIFT TIME	59	0~59	59	-	Fix
SHIFT (M/S)	Min	Min<->Sec	Min	-	Fix
SHIFT RANGE	1	0~10	1	-	Fix
NO USE	1	0~1	1	-	Fix
TEST MUTE	1	0~1	1	-	Fix
NO USE	0	0~1	0	-	Fix
NO USE	0	0~1	0	-	Fix

1-2-11 YC Delay

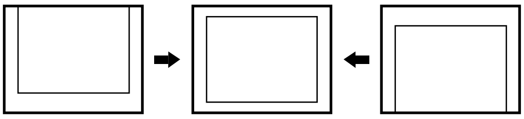
ITEM	INITIAL DATA	RANGE	EEP-ROM COPY DATA		REMARK
			ALL MODE	-	
PAL. BG	4	0~8	8	-	Fix
PAL. DK	7	0~8	8	-	Fix
PAL. I	7	0~8	7	-	Fix
SECAM. BG	8	0~8	5	-	Fix
SECAM. DK	8	0~8	4	-	Fix
SECAM. I	7	0~8	7	-	Fix
NTSC	0	0~8	7	-	Fix
PAL(AV)	6	0~8	4	-	Fix
SECAM(AV)	8	0~8	6	-	Fix
NTSC(AV)	8	0~8	5	-	Fix
PAL(SVHS)	7	0~8	8	-	Fix
SECAM(SVHS)	8	0~8	6	-	Fix
NTSC(SVHS)	8	0~8	6	-	Fix

1-2-12 OPTION

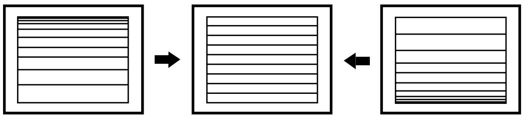
ITEM	INITIAL DATA	RANGE	Option Data (Copy Data)	REMARK
SOUND	DIGITAL	DIGITAL	DIGITAL	-
HIDEV	OFF	ON<->OFF	OFF	-
DVI	ON	ON<->OFF	ON	-
AUTO FM	OFF	ON<->OFF	OFF	-
ASPECT	WIDE	WIDE<->4:3	WIDE	-
LOGO	OFF	ON<->OFF	OFF	-
DNIe DEMO	ON	ON<->OFF	ON	-

1-3 Screen Change (When adjusting I^{2}C Bus Geometric items)

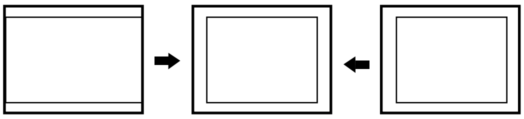
1 V SHIFT



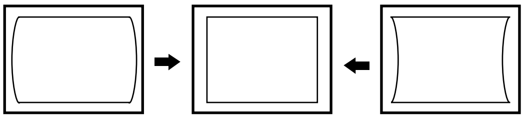
2 V LINEARITY



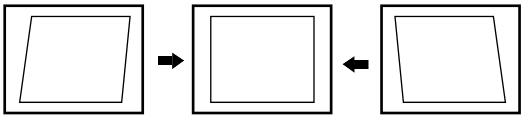
3 H SIZE



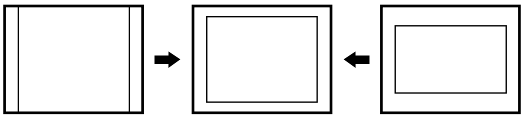
4 PIN AMP



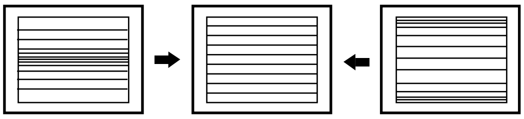
5 V ANGLE



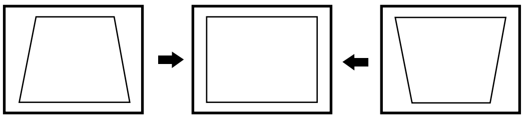
6 V SIZE



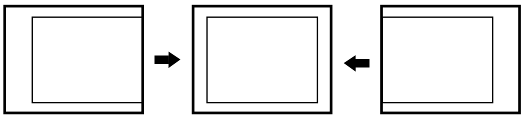
7 V - S - CORRECTION



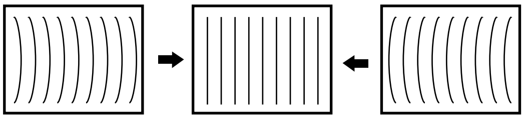
8 PIN PHASE



9 H SHIFT



10 V BOW



1-4 Other Adjustments

1-4-1 Screen Adjustment

1. Warm up the TV for at least 30 minutes.

2. Turn to the Video Mode (No Signal) using a remote-control.

3. Check if the VIDEO1 EEPROM DATA in the factory mode is the initial value. If not, change it to the initial value.

4. Connect RK, GK and BK with the scope probe.

5. Conduct a preliminary adjustment by changing the screen VR.
   (1) Turn the VR501 to check if it returns. Turn it in the opposite direction and stop the VR at the point when the RED disappears.
   (2) Repeat the above process with VR531 and VR561.

6. The screen on the R.G.B. CRT panel. Adjust RK, GK and BK pulses on the screen to 20Vp-p each changing the VR (VR501, VR531, VR561).
   (1) Upon adjustment to 20Vp-p return the factory mode EEPROM data to the previous value.
   (2) For R.G.B. screen VR, move to the point where each of R.G.B. blanking occurs, and turn it in clockwise direction.

1-4-2 White Balance Adjustment

1. Select the “DYNAMIC” video mode.

2. Input 100% white pattern.

3. In the stand-by mode, press the remote-control keys in the following sequence:
   DISPLAY → MENU → MUTE → Power ON

4. Warm up the TV for at least 30 minutes.

5. Input a 10-step signal.

6. R-cut off, B-cut off, and G-cut off by pressing the Volume +/- keys.

7. Adjust the low light with viewing the dark side of the screen.

8. Select R-drive, G-drive, and B-drive by pressing the Volume +/- keys.

9. Adjust the high light with viewing the light side of the screen.

10. If necessary, redo adjustments 6~9.

11. Press the Menu key to exit.

1-4-3 Sub-Brightness Adjustment

1. Input a sub-brightness adjustment signal. (TOSHIBA Pattern)

2. In the stand-by mode, press the remote-control keys in the following sequence :
   DISPLAY→ MENU → MUTE → Power ON

3. Select SBT by pressing the Volume +/- keys.

4. Adjust so that the 7 step on the right side of the screen is not seen (Use the Volume +/- keys).

5. Press the Menu key to exit.

1-4-4 High Voltage (29KV) Check

PRECAUTION

1. Input a lion head pattern.

2. Select “DYNAMIC” video mode.

3. Warm up the TV for at least 10 minutes.

4. Use a 1000:1 probe.

ADJUSTMENT

1. Connect the (+) terminal of the 1000:1 probe to the high voltage distributor and the (-) terminal to GND (located on the deflection board).

2. Adjust RR471S (located on the deflection board) so that the digital meter indicates
   DC 29V ± 0.1V.
   (Conversion: 29KV±100v -> based on 1000:1)

1-4-5 F.S. (Fail Safe) Adjustment

Note : The finished product has a well-mounted VR (RR402S).
If necessary, do the F.S. adjustments in the following sequence.

1. Use a digital multimeter.
2. Connect the digital multimeter to the JIG pin (DZ482S) terminals
3. Adjust VR (RR402S) so that the voltage becomes 2.25V.
4. After the adjustments are complete, be sure to mount VR (RR402S) correctly.

1-4-6 F.S. (Fail Safe) Circuit Check

Note : The F.S. Circuit check must be performed after servicing.
In case of F.S malfunction, recheck the adjustment to the above.

1. Turn the TV on and set the screen to “DYNAMIC”.
2. Short circuit the RR 404S terminal on the SUB BOARD and the sound and screen will fade out soon.
3. Removing the short terminal at that moment will not bring the sound and screen back. This indicates that the F.S circuit is in operation.
4. To restore both sound and picture, turn off the TV and reset it after about 30 seconds.

1-4-7 Static Focus Adjustment

PRECAUTION

1. Select the “DYNAMIC” video mode.
2. Input a crosshatch pattern.
3. Cover the lenses that are not being adjusted.

STATIC FOCUS (CONTINUED)

1. Adjust and optimize the focus in the center of the CROSS HATCH pattern by changing the FOCUS PACKVR at the front of TV.
2. Adjust and optimize the center by adjusting the FOCUS PACK GREEN VR preventing circumference areas from getting worse. Observe Simultaneously.

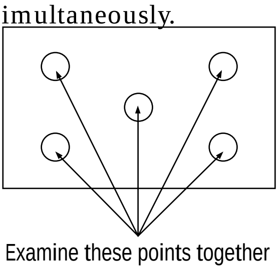


Fig. 1-1 Crosshatch Pattern.

1-4-8 Lens Focus Adjustment

PRECAUTIONS

1. Adjust the screen to ‘DYNAMIC’
   Brightness: 100
   Luminosity: 50
2. Get the CROSS HATCH pattern
3. Conduct after adjusting electric FOCUS.
4. Conduct after adjusting DY tilt.

ADJUSTMENT(GREEN LENS ADJUSTMENT)

1. Loosen the lens tightening screw for easy adjustment.
2. Close the isolation covers (R, B Lens) except for the GREEN LENS.
3. Adjust to the optimal position turning the green lens to the right and left. (For optimization, repeat the VR of the focus pact in front.)
4. Follow the above steps from ®Á~®È for adjusting R, B LENS.

REMARKS

Accurate adjustment is required since GREEN is the most important color for picture quality. alignment of Green is important for overall color quality.

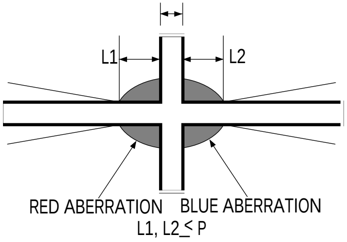


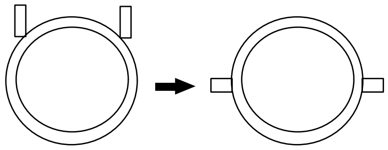
Fig. 1-2 Color Aberration

1-5 Beam alignment Adjustments

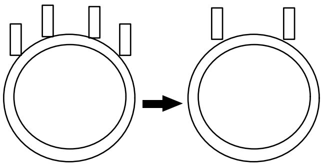
1. Select the “DYNAMIC” video mode.
2. Warm up the set at least for 10 minutes.
3. Enter the Convergence mode by pressing the remote control buttons in the following sequence :

   静音 🔇 → 1 → 8 → 3

4. Set the Beam Alignment Adjustment CY to Zero magnetic field area.



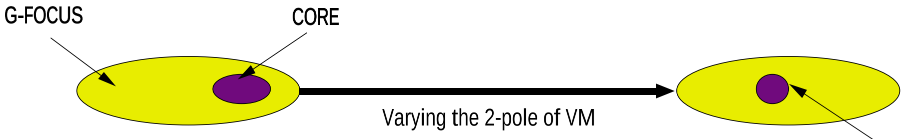
(Creation of CPM Zero Magnet)



(Creation of the 2-pole/4-pole zero magnets)

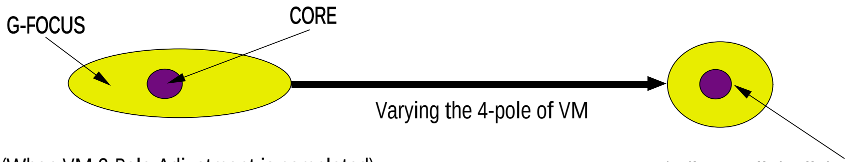
5. Check the squarewave at the point where the focus is misaligned.
6. Press the 7 button on the remote control during 3~5 sec and vibrating dot-pattern appears.
7. Adjust the Focus-pack VR for defocusing.
8. Mute the other patterns (R/B) other than G-PATTERN.

   (Use -/--/--- / 电视 buttons on the remote control.)



(Varying G-Focus Pack)

(Positioning the Core in the Center)



(When VM 2-Pole Adjustment is completed)

(Adjust until the light around the core becomes a circle)

9. Adjust the 2, 4 polarities of VM-COIL as shown in figure below.
10. Adjust the G-Focus until any light around the core disappears.
11. Adjust G-Focus so that the surrounding flash can disappear from the spot.
12. After G-Focus adjustments are complete, adjust R-Focus as above procedures.
13. The B-CRT adjustments can be omitted because the variance of beam focus is small. (Only Vm-coil is mounted.)
14. Adjust the Focus-pack VR for fine focusing.
15. Press the 7 button twice on the remote control, and the mode changes to the Convergence adjustment mode.
16. Press the 伴音效果 ♪ button on the remote control to return to normal viewing.

1-6 High Voltage Part

1-6-1 PWM REG Circuit

For the existing high voltage REG circuit (input voltage variation type), a dynamic REG response is not provided. So it is difficult for both beam linearity and uniformity in screen size to be maintained on the screen with rapidly changing beams.

A PWM (Pulse Width Modulation) type of high voltage, however, provides the maintenance of beam linearity and uniformity in screen size via a quick response to beam change by performing sync lock every 1H line, and detecting beam fluctuation at 1H line, and then controlling the IC current of high voltage output circuit.

1. High Voltage Fluctuation Detect (DC Detect)

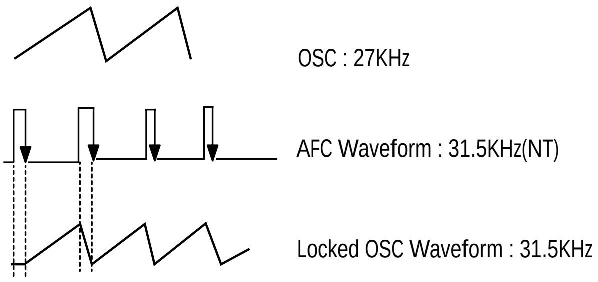
FBT pin 11 detects DC high voltage fluctuation. The detected DC high voltage value is input to PWM IC471 pin1 through R473, VR471, R471, and then it is input to a differential AMP circuit that differentiates the gap after comparing with the reference voltage input to pin2.

2. High Voltage Fluctuation Detect (AC Detect)

To check AC high voltage fluctuation, the output from FBT is detected by using a capacitor inside the high voltage distributor. The detection of AC high voltage fluctuation,
a detection of dynamic beam current change is required in order to keep beam linearity and uniformity in size.
Regarding the capacitor, a capacity of less than 3000P should be applied to a PWM type. (The existing type needs a capacity of about 6000P.)
AC detect circuit eliminates unnecessary high frequency by using C476, D472. Also, AC gain is limited to + / - 0.7V (D472). This AC gain is combined with the detection value of DC high voltage fluctuation by using C478.

3. PWM IC OSC Sync Lock

A PWM type IC needs sync lock for PWM pulse and horizontal scan line.
The standard time constant of OSC circuit is determined by C487, R475 (PWM IC pins 5 and 6). And the standard OSC frequency is about 27 kHz . The horizontal frequency of scan line is 31.5kHz(NT), 31.25kHz(PAL), so sync lock for this horizontal frequency should be performed using sync lock circuit. The sync lock circuit consists of Q481(Tr KSC815-Y), D479, D478, and C492. The input AFC signal is connected to PWM IC pin 5 through D479 so that it can be negative Trig.

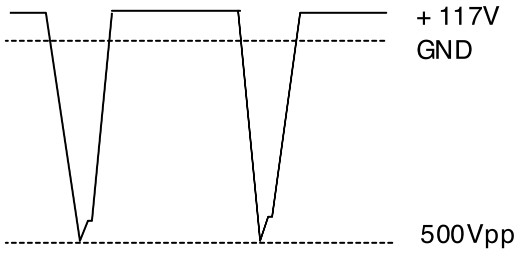


4. Dead Time (HV Protect)

Dead Time (PWM IN pin4) consists of C481, delays high voltage for a certain time to soft start in power on, a x-ray protection circuit.
The voltage of Dead Time is detected by FBT pin7 and through DC Feedback. The normal voltage of Dead Time is +27V. When high voltage increases, however, detected voltage is in proportion to high voltage. Then, the detected voltage is applied to ICR01S(TL431).
If the voltage is over 2.5V (normal:about 2.25V), TL431 turns ON, the base port of QR401S becomes low, and then an emitter current flows. At this time, a high voltage protection point is set. When QR401S turns ON, high voltage is applied to PWM IC pin4 and then muted.

5. Output Circuit

The voltages, which are detected form an error detection circuit of PWM IC (Differential AMP) and Dead Time, each is applied to PWM conparator . Due to these detection coltages, Q1, Q2 (Output TR) parallel operate. Q482 (External TR), however, functions as a buffer; natches inpedance between the output port of PWM IC and the final output TR(IRFS640). The PWM pulse (applied to the final output FET (IRFS640 GATE) varies the IC current of high voltage TR(Q473) by adjusting the load impedance of starage Trans (T431). Due to this variation of current, the gain for Q473 emitter pulse changes T444(FBT)makes this emitter pulse became high voltage. Such change keeps both dynamic and static changes fixed. The output waveform of high valtage TR emitter is as shown in the figure below.



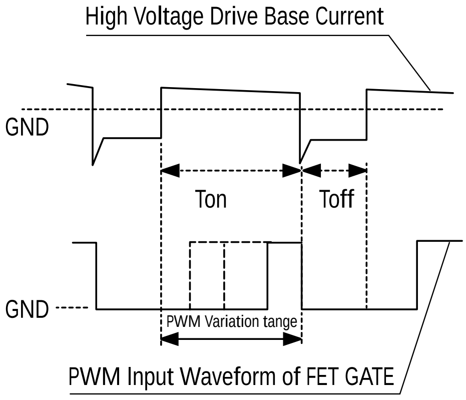
6. Paraneters according to beam

To maintain the set high voltage value (31kV), parmaters such as +Ve (DC), Vcp High Voltage change (See the table below).

Factor of high voltage change	Parameters			
	Width of FET Gate Pulse	+ Ve (DC)	Vcp	High Voltage
Beam ↓ (High voltage ↑)	↓	↑	↓	↓
Beam ↓ (High voltage ↑)	↑	↓	↑	↑

7. Response Waveform

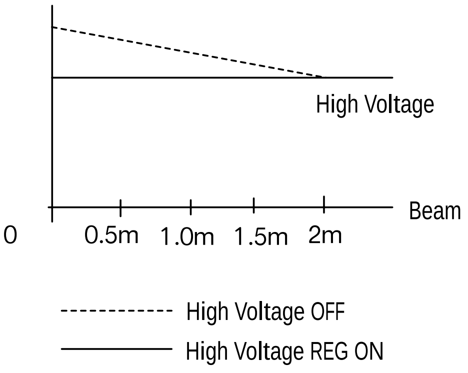
To reduce unstable high voltage fluctuation, the existing high voltage type REG circuit controls dynamic fluctuation by using C-block capacitor. But, it can't detect actual dynamic fluctuation. Also, its velocity of response to static fluctuation is late because +B power supply changes per about 1V. A PWM modulation type REG detects static, dynamic high voltage fluctuation for only Ton Time (when the current of the output TR collector flows) each 1H, and modulates the width of PWM pulse. So, this PWM type has better improvement in the characteristic of high voltage REG as compared to the existing type.

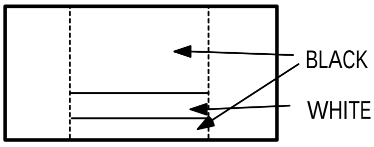

High Voltage Drive Base Current
GND
Ton
Toff
GND
PWM Variation tange
PWM Input Waveform of FET GATE

8. Application Effects

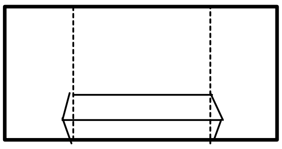
(1) Improvement of horizontal size fluctuation
(2) Linearity improved
(3) Embodiment of X-ray protection circuit

The figures below show characteristics when a PWM high voltage REG circuit is applied.





PWM type



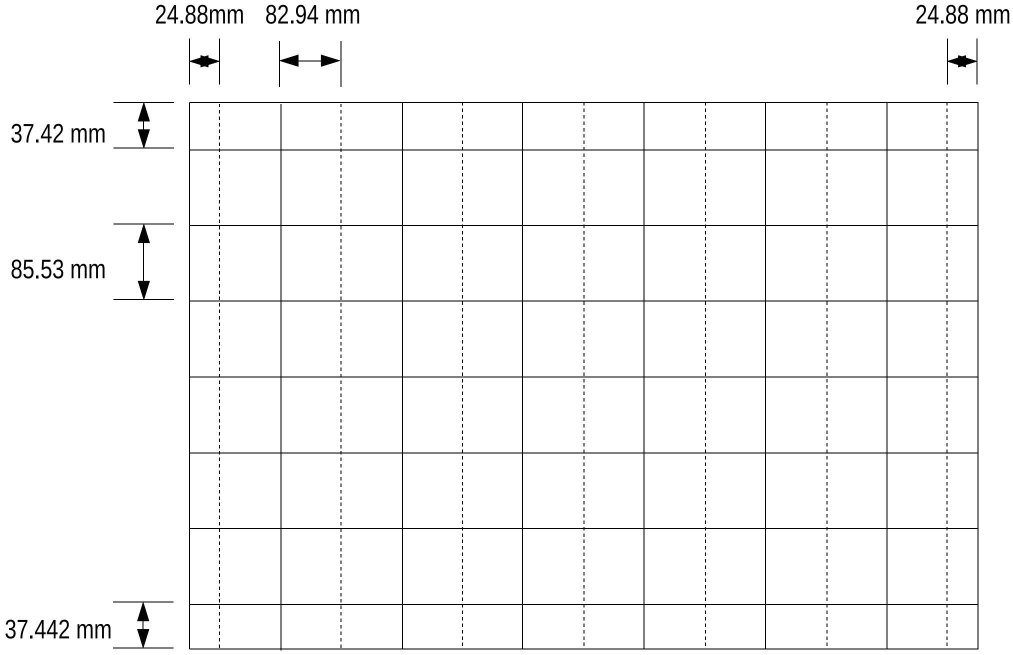
Existing type

When a Toshiba Pattern is recrived, the screen is displayed as shown in figute side

1-7 Screen-Jig

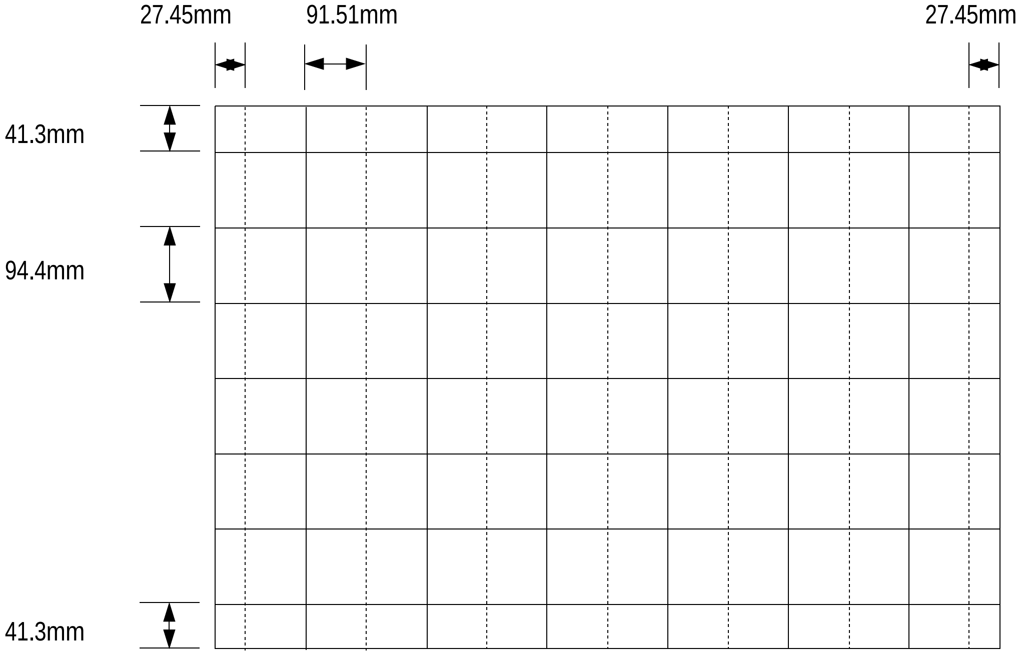
1-7-1 47Q7 Normal/PC Mode

: X 1045, Y 588(X : 378 =9 x 2 + 30 x 12, Y : 440 = 28 x 2 + 64 x 6)


24.88mm
82.94 mm
24.88 mm
37.42 mm
85.53 mm
37.442 mm

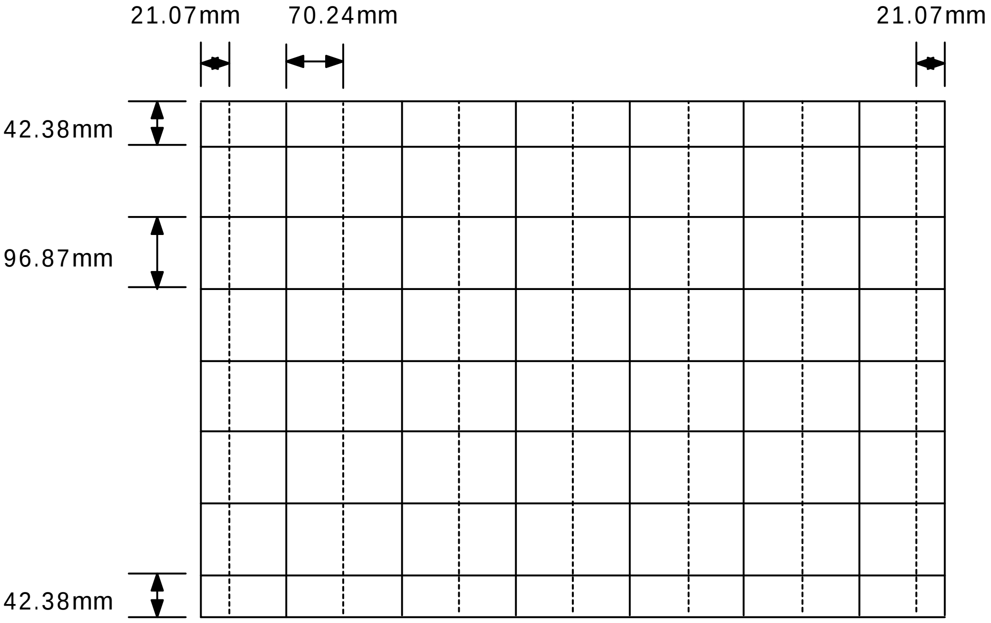
1-7-2 52Q7 Normal/PC Mode

52Q7 Screen Size : X 1153, Y 649 (X:378=9*2 +30*12, Y:440=28*2+64*6)

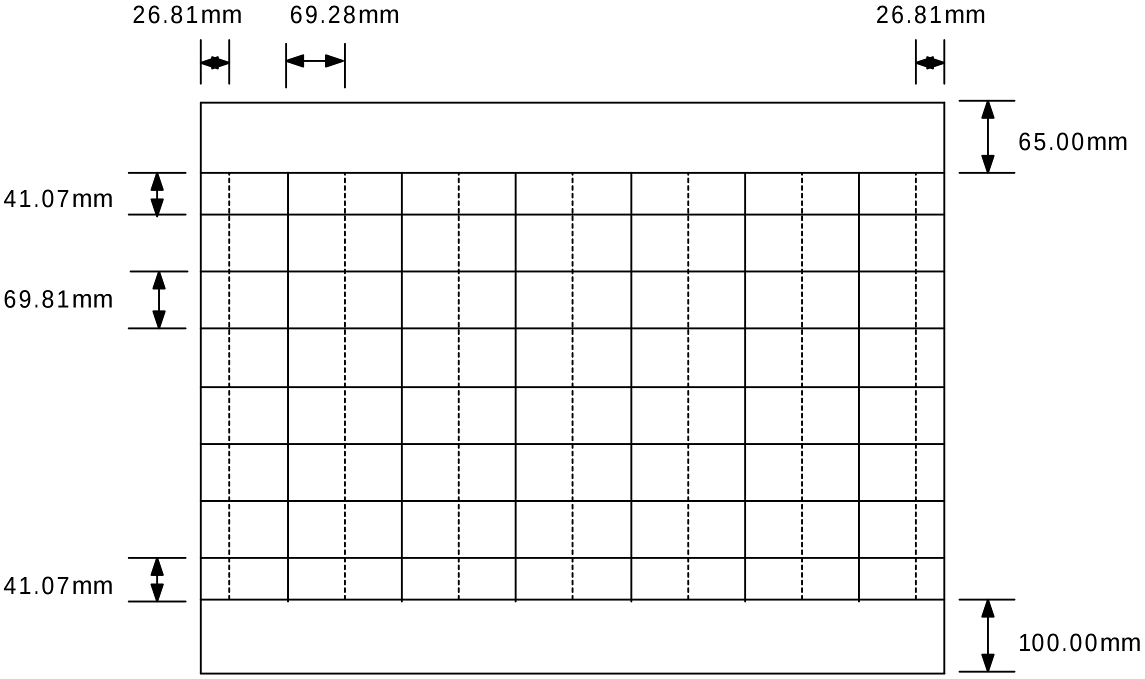

27.45mm
91.51mm
27.45mm
41.3mm
94.4mm
41.3mm

1-7-3 43T9 Normal/PC Mode

43T9 Screen Size : X 885, Y 666 (X:378=9*2+30*12, Y:440=28*2+64*6)

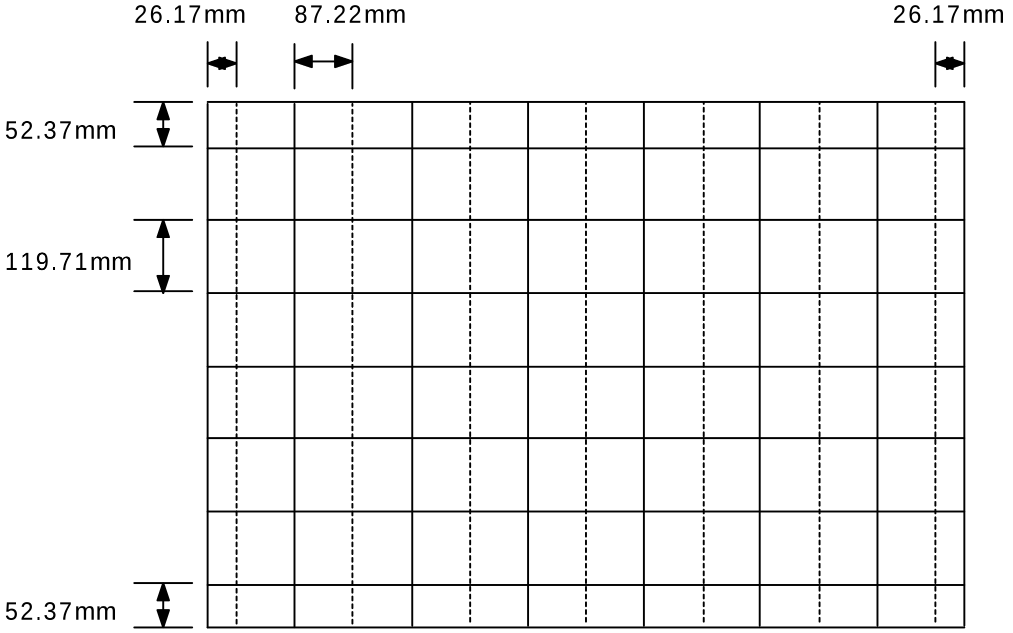

21.07mm
70.24mm
21.07mm
42.38mm
96.87mm
42.38mm

43T9 Screen Size : X 885, Y 501 (X:396=12*2+31*12, Y:488=40*2+68*6)

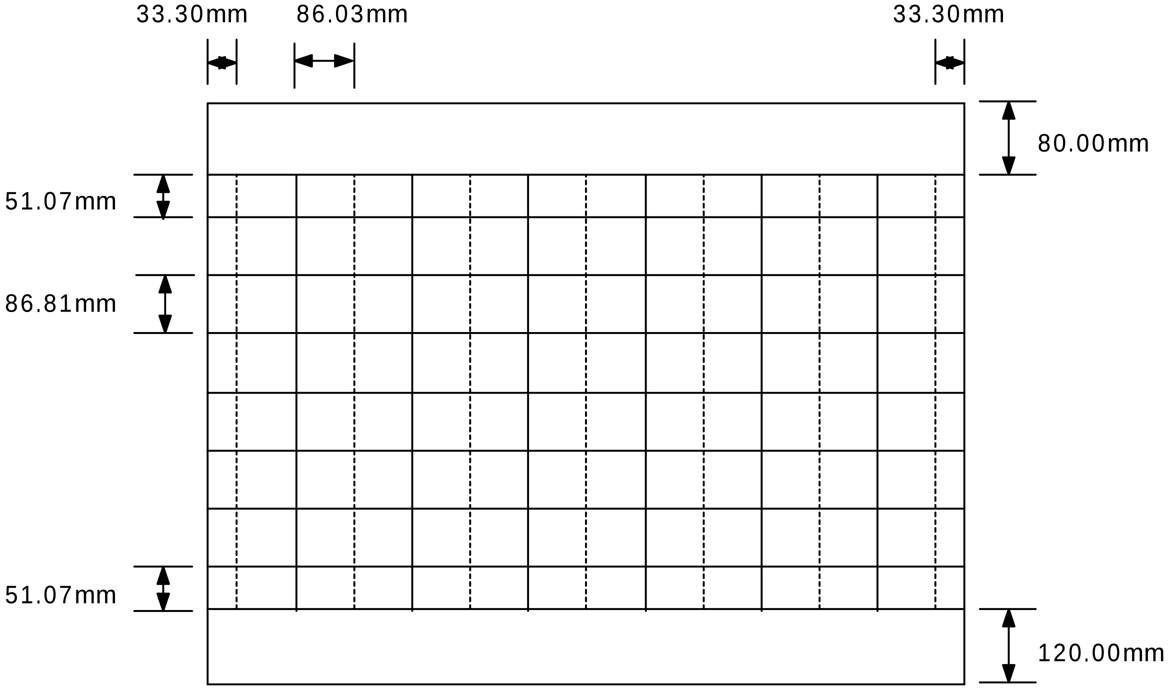

26.81mm
69.28mm
26.81mm
65.00mm
41.07mm
69.81mm
41.07mm
100.00mm

1-7-4 54T9 Normal/PC Mode

54T9 RF Mode : X 1099, Y 823 (X:378=9*2+30*12, Y:440=28*2+64*6)

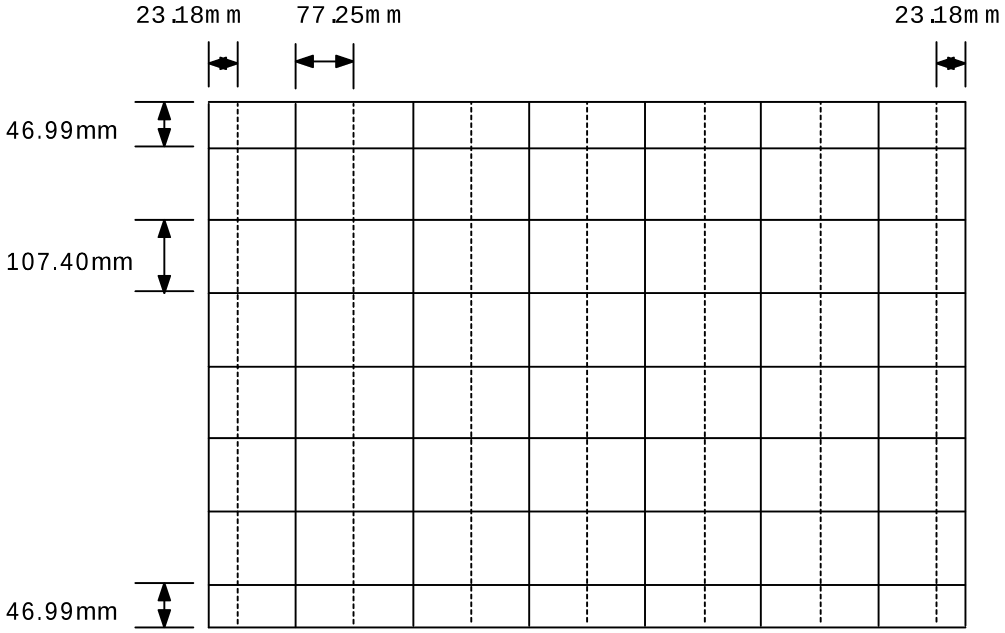

26.17mm
87.22mm
26.17mm
52.37mm
119.71mm
52.37mm

54T9 DTV Mode : X 1099, Y 623 (X:396=12*2+31*12, Y:488=40*2+68*6)

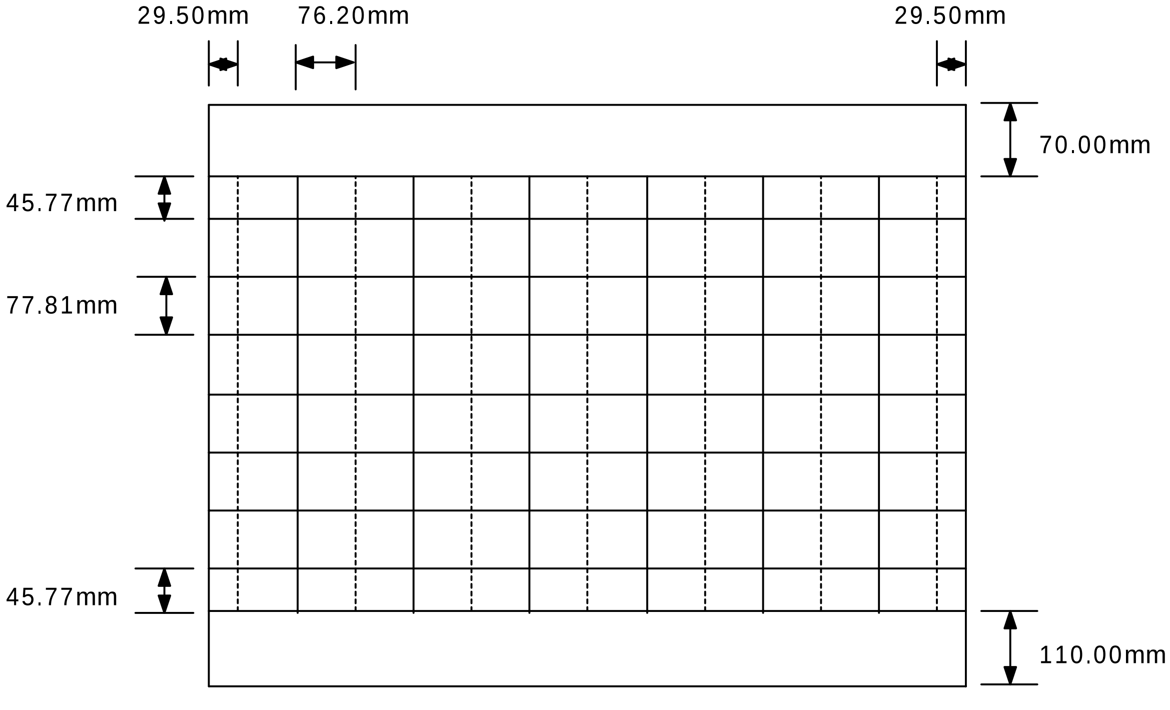

33.30mm
86.03mm
33.30mm
80.00mm
51.07mm
86.81mm
51.07mm
120.00mm

1-7-5 48T9 Normal/PC Mode

48T9 Screen Size : X 973.4, Y 738.4 (X:378=9*2+30*12, Y:440=28*2+64*6)

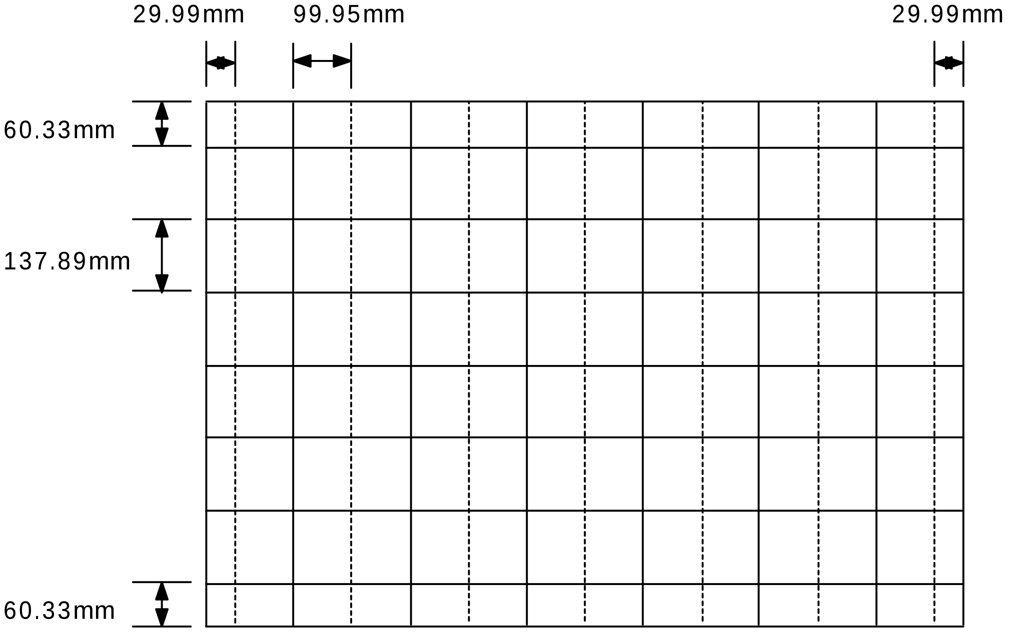

23.18mm
77.25mm
23.18mm
46.99mm
107.40mm
46.99mm

48T9 Screen Size : X 973.4, Y 558.4 (X:396=12*2+31*12, Y:488=40*2+68*6)

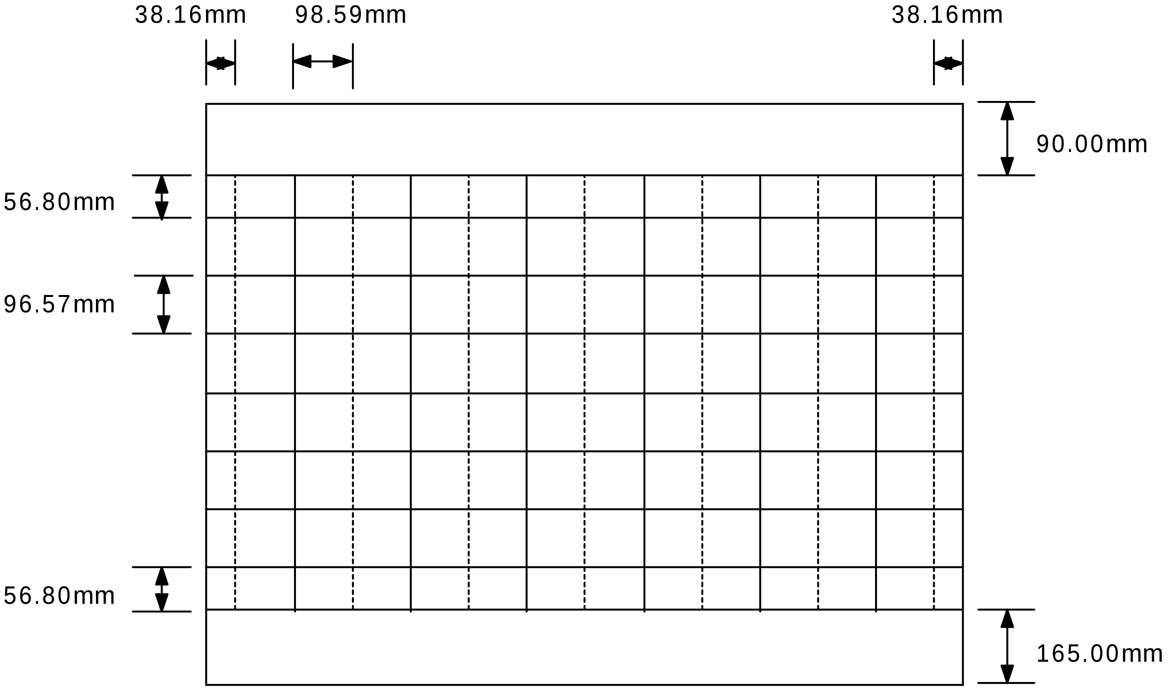

29.50mm
76.20mm
29.50mm
70.00mm
45.77mm
77.81mm
45.77mm
110.00mm

1-7-6 62T9 Normal/PC Mode

62T9 RF Mode : X 1259.4, Y 948 (X:378=9*2+30*12, Y:440=28*2+64*6)

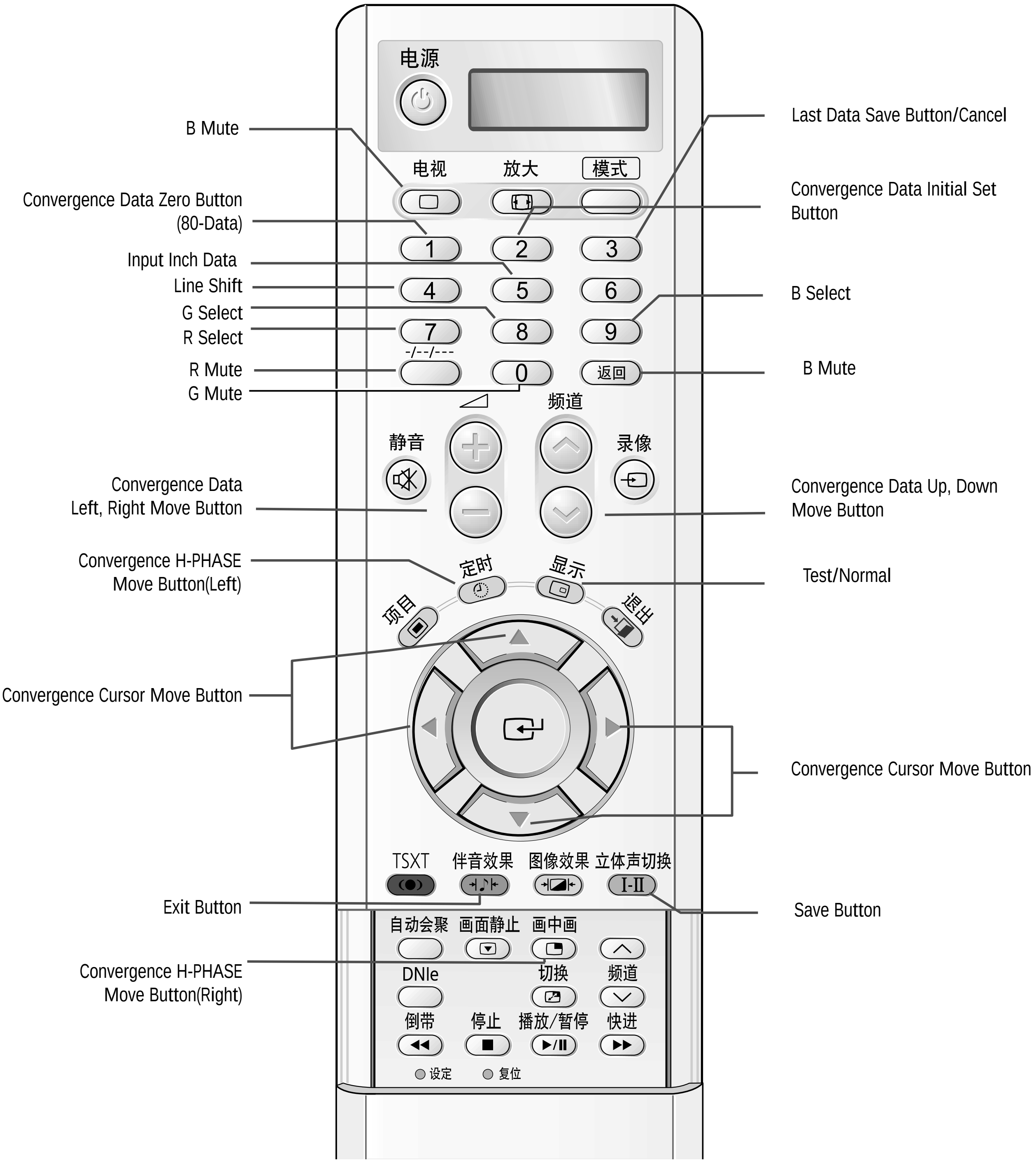

29.99mm
99.95mm
29.99mm
60.33mm
137.89mm
60.33mm

62T9 DTV Mode : X 1259.4, Y 693 (X:396=12*2+31*12, Y:488=40*2+68*6)

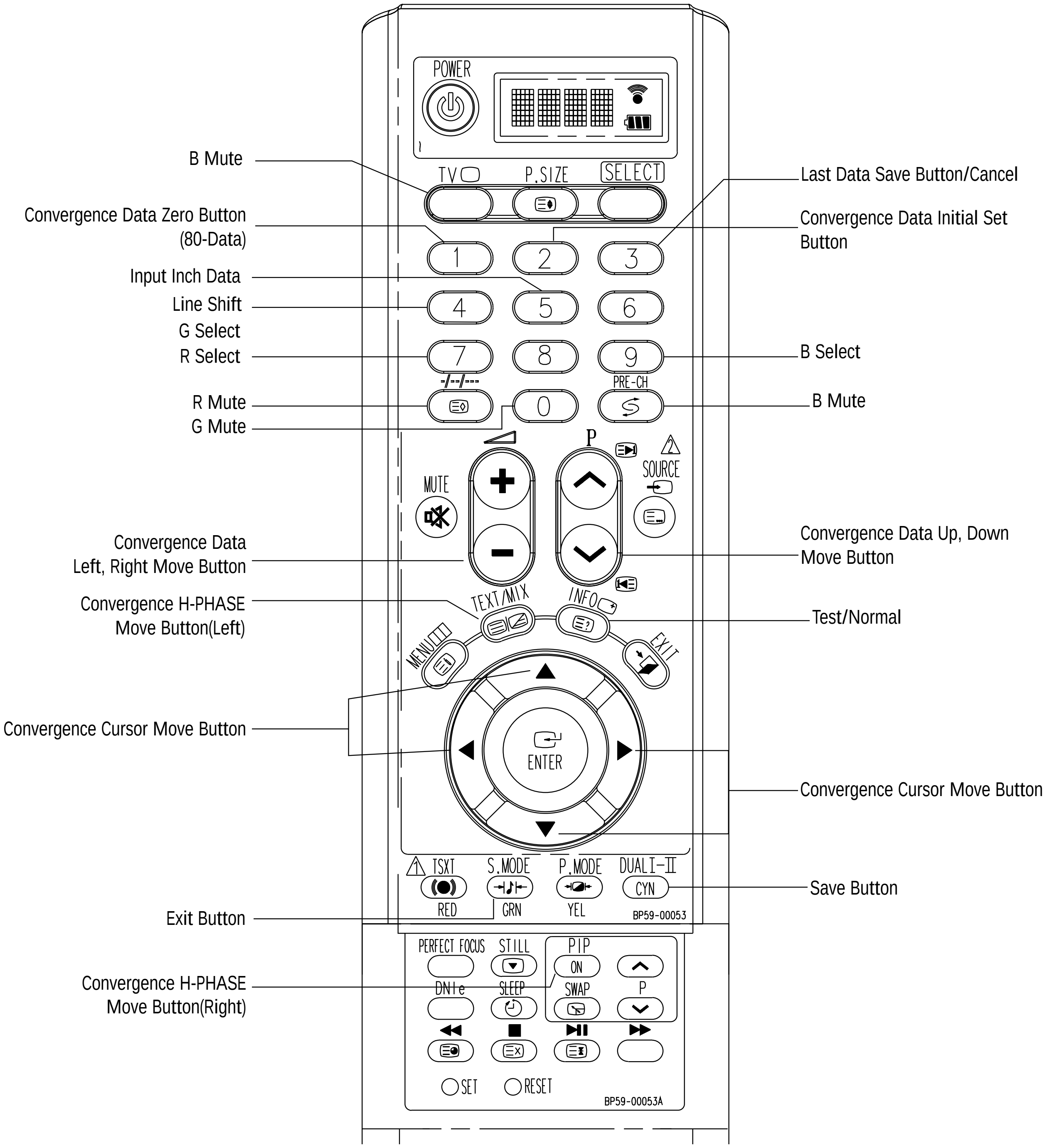

38.16mm
98.59mm
38.16mm
90.00mm
56.80mm
96.57mm
56.80mm
165.00mm

1-8 Remote Control for Servicing (Convergence Mode)

*CHINA


B Mute
Last Data Save Button/Cancel
Convergence Data Zero Button (80-Data)
Convergence Data Initial Set Button
Input Inch Data
Line Shift
G Select
R Select
B Select
R Mute
G Mute
B Mute
Convergence Data Left, Right Move Button
Convergence Data Up, Down Move Button
Convergence H-PHASE Move Button(Left)
Test/Normal
Convergence Cursor Move Button
Convergence Cursor Move Button
Exit Button
Save Button
Convergence H-PHASE Move Button(Right)
电源
电视
放大
模式
1
2
3
4
5
6
7
8
9
-/--/---
0
返回
频道
静音
录像
定时
显示
项目
退出
TSXT
伴音效果
图像效果
立体声切换
I-II
自动会聚
画面静止
画中画
DNIe
切换
频道
倒带
停止
播放/暂停
快进
设定
复位

* AUSTRALIA


B Mute
Convergence Data Zero Button (80-Data)
Input Inch Data
Line Shift
G Select
R Select
R Mute
G Mute
Convergence Data Left, Right Move Button
Convergence H-PHASE Move Button(Left)
Convergence Cursor Move Button
Exit Button
Convergence H-PHASE Move Button(Right)
Last Data Save Button/Cancel
Convergence Data Initial Set Button
B Select
B Mute
Convergence Data Up, Down Move Button
Test/Normal
Convergence Cursor Move Button
Save Button
POWER
TV
P.SIZE
SELECT
PRE-CH
MUTE
P
SOURCE
TEXT/MIX
INFO
MENU
EXIT
ENTER
TSXT
S.MODE
P.MODE
DUAL I-II
RED
GRN
YEL
CYN
BP59-00053
PERFECT FOCUS
STILL
PIP
ON
DNIe
SLEEP
SWAP
SET
RESET
BP59-00053A

1-8-1 KEY Function

1. R-SELECT 7
   The key for adjustment of RED CONVERGENCE.

2. G-SELECT 8
   The key for adjustment of GREEN CONVERGENCE.

3. B-SELECT 9
   The key for adjustment of BLUE CONVERGENCE.

4. R-MUTE -/--/--- -/--/---
   The key for muting RED COLOR.

5. G-MUTE 0
   The key for muting GREEN COLOR.

6. B-MUTE 电视 TV▭
   The key for muting BLUE COLOR.

7. CANCEL KEY 3
   The key to return to previous data during convergence adjustment.
   (returning to the last memorized stage).

8. TEST / NORMAL 显示 INFO▭
   The key used to view normal screen after returning to the convergence mode under broadcasting of normal screens. Adjustment with comparisons between adjustment modes and normal screens is enabled.
   ❋ It selects modes in turn each time the key is selected.

9. LINE SHIFT 4
   (It repeats Fine tuning (no symbol) -> LINE ADJUST -> ENTIRE MODE.)
   - The key used at initial stage of convergence adjustment, it is used to move the cursor-selected line or the whole pattern up, down, right or left.
   - Press the 4 key twice more for fine-tuning.

10. FACTORY DATA SELECT BUTTON 2
    The key used to select FACTORY DEFAULT VALUES prior to convergence adjustment.

11. SAVE KEY 立体声切换 I-II DUAL I-II CYN

The key used to save data upon completion of convergence adjustment.

12 EXIT KEY 伴音效果 S.MODE

The key used to exit upon completion of convergence adjustment.

13. MOVE KEY 录像 SOURCE

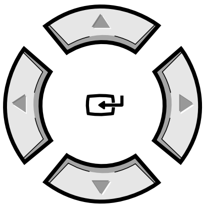
The key used to move the direction of cursor to the right or down.

14. MOVE KEY 静音 MUTE

The key used to move to the left or up.

15. CONVERGENCE adjustment BUTTON

For convergence data adjustment where the cursor is located, use the channel buttons (∧, ∨) for up / down, and volume buttons (+,-) for right / left.



16. CONVERGENCE adjustment PATTERN move KEY

The key to move the whole pattern for convergence adjustment to the 画中画 PIP ON right or 定时 TEXT/MIX left to fit the center (Adjust the Cg after aligning the two centers of 1) TV screen before adjustment and 2) Cg mode.)

17. CONVERGENCE COMPENSATION DATA ZERO KEY 1

The key is used to make the convergence compensation data to Zero.

18. INITIAL DATA SET BUTTON 2

Changes when applying Almighty-Cg, Module (How to extract the basic Cg Data)

Inch (Type)	Model Name	Basic Data	Screen Display	Discription
	Representative Model	Number after entring the Cg-Mode		
47” (47Q7)	SP47Q7	5-473 (Press in regular order)	□ □ □ □	White sguare on the background (white border)
52” (52Q7)	SP52Q7	5-521 (Press in regular order)	+++++	White cross on the background
43” (43T9)	SP43T9	5-436 (Press in regular order)	++++	White cross on the background
54” (54T9)	SP54T9	5-546 (Press in regular order)	+++++	White cross on the background

4-9 Convergence Adjustment

NOTE

Notes in relation to the auto color synchronization function

- This model is added with an auto color synchronization function to prevent misalignment of convergent affected by the Earth Magnetic Field. For proper operation of that function you must conduct the exact adjustment.
- Use the screen jig, conduct the exact adjustment ensuring that not moving away from the sensor detection area fitted in the dead center of each of the four sides.
- Re-do the exact adjustment to avoid an auto color synchronization error detected when the adjustment is done incorrectly.

1. Warm up the TV for a least 30 minutes.

2. Input an PAL Signal.(Use an antenna or AV source.)

NOTE

Make sure that deflection yoke are properly adjusted so that the center of Green, Red, Blue pattern is aligned on the center of screen jig.

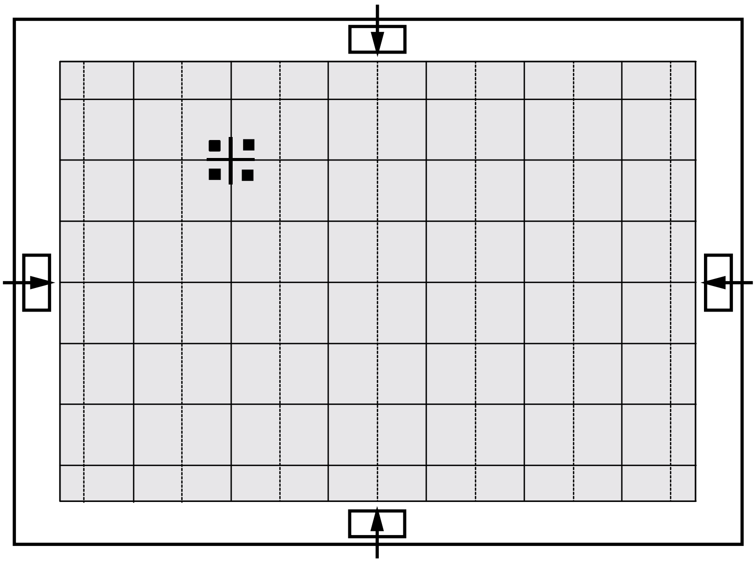
3. Enter the Convergence Mode by Pressing the remote control keys in the following sequence:

静音 MUTE

🔇 🔇 → 1 → 8 → 3

NOTE

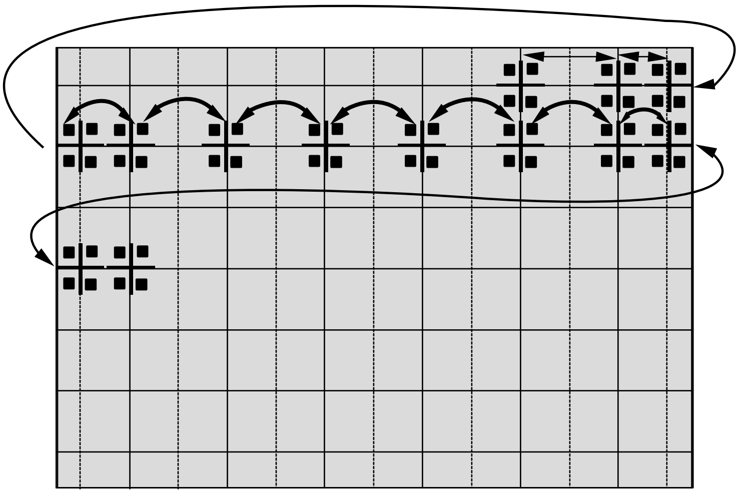
If OSD displayed as shown in figure below, press the 伴音效果 S.MODE key to exit. Then, redo step 3 to enter the Convergence Mode.
After entering the Convergence Mode, Stand by for about five seconds before doing the adjustments.

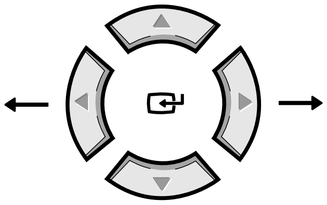


4. For adjustment of green color, select the R-MUTE -/--/--- and B-MUTE 返回 PRE-CH or 电视 TV keys to mute red and blue, then press the G-SELECT 8 key. (It is in the ‘G-Cg select’ status at the initial entry.)

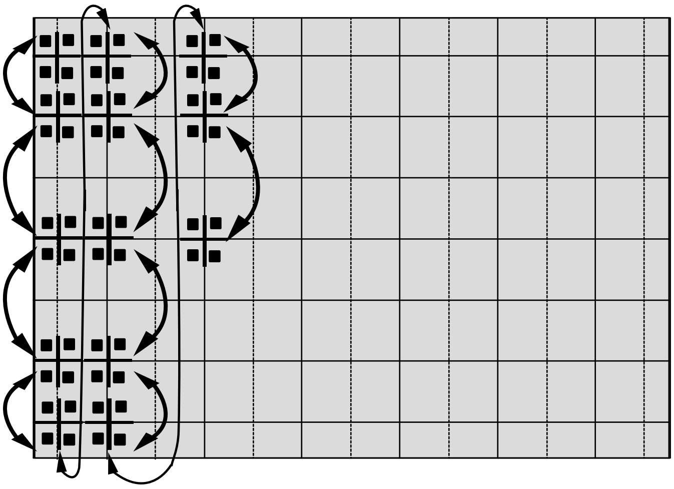
-/--/--- -/--/--- → 返回 PRE-CH or 电视 TV → 8

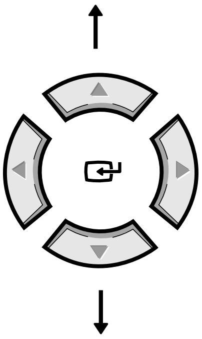
5. To move the direction of cursor, use 录像 SOURCE key to move to the right, 静音 MUTE to move to the left.





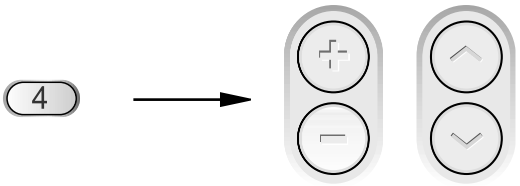
6. Select 项目 MENU key for vertical moves; and use 录像 key to move down and 静音 MUTE key to move up.

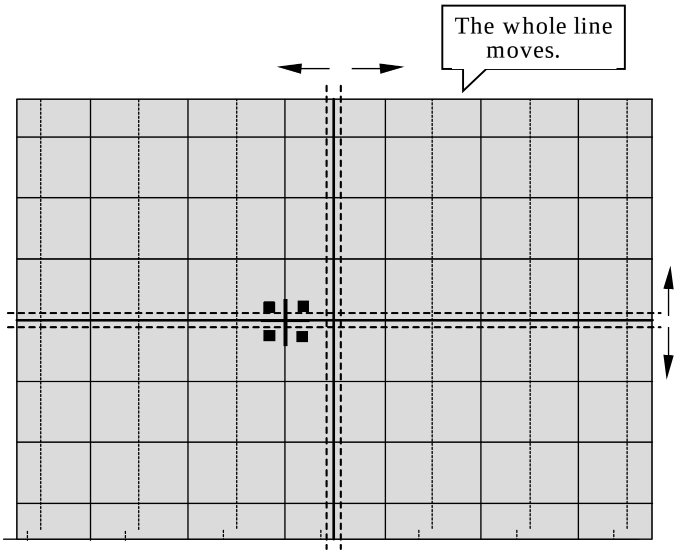




NOTE Press the 项目 MENU key again to move horizontally.

7. Use the line move key 4 to get the overall profile at the initial stage of convergence adjustment.

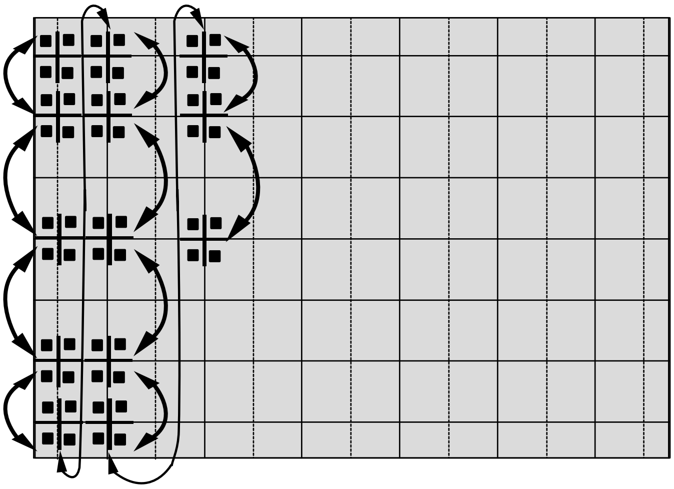




8. Save the used data using 立体声切换 I-II DUAL-II CYN key upon completion of the green convergence adjustment.

9. To adjust and to synchronize Red to Green (with Green as base) use -/--/--- -/--/--- to release the red color mute, and 7 press the key to select Red.

10. Adjust the RED COLOR CONVERGENCE by conducting the above steps from 5 to 8.



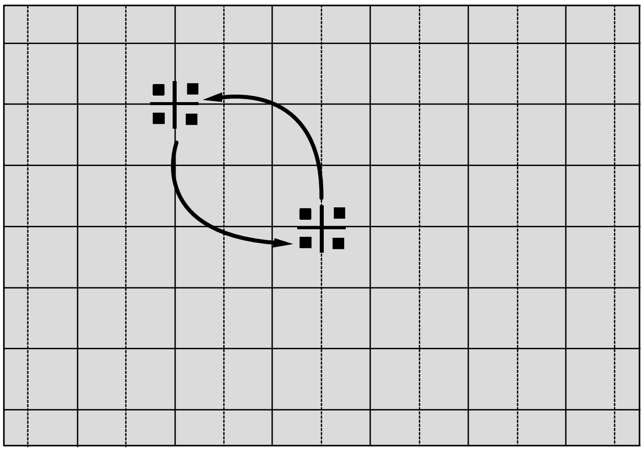
11. To adjust and to synchronize Blue to Green (with Green as base) use -/--/--- -/--/--- to release the red color and select 返回 PRE-CH or 电视 TV▢ to release the blue color mute, press the 9 key to select Blue.

12. Adjust the BLUE COLOR CONVERGENCE by conducting the above steps from 5 to 8 and 11.

13. Upon completion of adjustment, display all colors (R, G, B) to check and readjust any inconsistency.

14. 立体声切换 I-II DUAL-II CYN key to save data upon completion of RED and BLUE COLOR CONVERGENCE adjustments.

NOTE The cursor moves to the center, flashes twice and automatically returns to its original position.



NOTE After the color adjustments are completed, press the 自动会聚 PERFECT FOCUS key to save the data.

15. Exit from the convergence mode using the 伴音效果 ⇥♪⇤ S.MODE ⇥♪⇤ key upon completion of the convergence adjustment.

16. Conduct the DTV convergence adjustment in the same manner for the above normal mode convergence adjustment. (Except for the jig screen: use 16.9 designated for DTV)

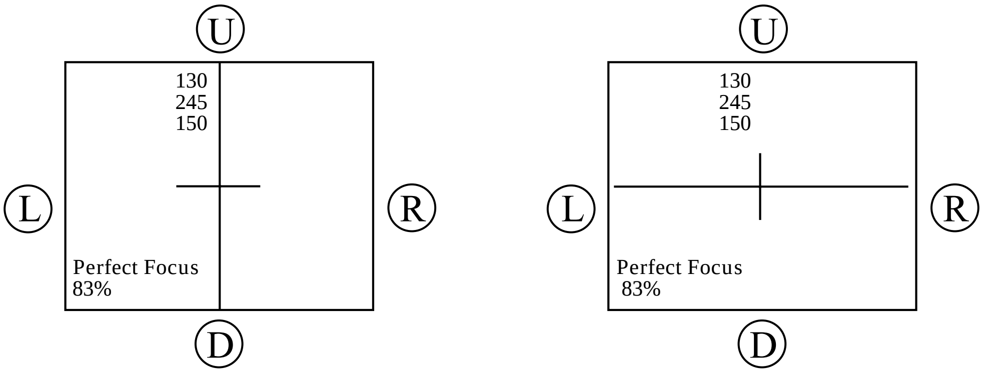
NOTE Make sure that correct adjustment is conducted using a jig screen to avoid an adjustment error from occurring when the convergence adjustment is incorrect or the convergence center is out of the sensor detectable area.

1-8-2 Perfect Focus(Factory Mode)

1. After the adjustment is completely saved, press the Perfect Focus key to perform Auto Convergence(Factory Mode). Auto Convergence is performed in the following sequences:

G → R → B

Up, Down → Left, Right



When Auto Convergence is complete, the data is automatically saved and the convergence pattern reverts.

NOTE

- After Factory Auto Convergence is complete, make sure that the cursor flickers for about 1 second on the center and then it is saved.
- Check the presence of error through the flicker of the cursor.
- When any error happens, be sure to re-do Factory Auto Convergence.
- When Convergence Adjustment is not normally done or the convergence center is misaligned with the sensing point, any adjustment error happens. Therefore, be sure to use a screen jig to correctly adjust during troubleshooting.

1-9 MICOM and Pins Voltage

1-9-1 MICOM Module Pins(CN901)

PIN NO.	ITEM	FUNCTION	OUT VOLT
1	WP	Wirte Protect	3.3V
2	GND	GND	-
3	STB-5V	Vcc	5V
4	STB-5V	Vcc	5V
5	GND	GND	-
6	POWER	Power On/Off Relay Control	3.9V
7	5V	5V	5V
8	1080i	1080i Mode Switching	36.7mV
9	KEY1	Key Scan1	2.5V
10	PROTECT	Protect Port	-
11	KEY2	Key Scan2	2.4V
12	H-BLK	Horizontal Blank	0.83V
13	KEY3	Key Scan3	-
14	GND	GND	-
15	IR	Remocon Input	3.9V
16	V-BLK	Vertical Blank	106mV
17	GND	GND	-
18	GND	GND	-
19	TIMER-LED	Timer Led	3V
20	OSD/TTX-FB	OSD/TTX-FB	-
21	STB-LED	Stand by-Led	3V
22	OSD/TTX-B	On Screen Display Blue	273mV
23	AMP-MUTE	Main Amp Mute	36mv
24	OSD/TTX-G	On Screen Display Green	270mV
25	SCL1	Serial Clock Line1	2.2V
26	OSD/TTX-R	On Screen Display Red	285mV
27	SDA1	Serial Data Line1	2.2V
28	VPC-RESET	VPC RESET	3.8V
29	GND	GND	-
30	GND	GND	-
31	SCL3	Serial Clock Line2	3.8V
32	SCL2	Serial Clock Line2	4V

1-9-1 MICOM Module Pins(CN901)

PIN NO.	ITEM	FUNCTION	OUT VOLT
1	WP	Wirte Protect	3.3V
2	GND	GND	-
3	STB-5V	Vcc	5V
4	STB-5V	Vcc	5V
5	GND	GND	-
6	POWER	Power On/Off Relay Control	3.9V
7	5V	5V	5V
8	1080i	1080i Mode Switching	36.7mV
9	KEY1	Key Scan1	2.5V
10	PROTECT	Protect Port	-
11	KEY2	Key Scan2	2.4V
12	H-BLK	Horizontal Blank	0.83V
13	KEY3	Key Scan3	-
14	GND	GND	-
15	IR	Remocon Input	3.9V
16	V-BLK	Vertical Blank	106mV
17	GND	GND	-
18	GND	GND	-
19	TIMER-LED	Timer Led	3V
20	OSD/TTX-FB	OSD/TTX-FB	-
21	STB-LED	Stand by-Led	3V
22	OSD/TTX-B	On Screen Display Blue	273mV
23	AMP-MUTE	Main Amp Mute	36mv
24	OSD/TTX-G	On Screen Display Green	270mV
25	SCL1	Serial Clock Line1	2.2V
26	OSD/TTX-R	On Screen Display Red	285mV
27	SDA1	Serial Data Line1	2.2V
28	VPC-RESET	VPC RESET	3.8V
29	GND	GND	-
30	GND	GND	-
31	SCL3	Serial Clock Line2	3.8V
32	SCL2	Serial Clock Line2	4V

PIN NO.	ITEM	FUNCTION	OUT VOLT
33	SDA3	Serial Data Line3	3.8V
34	SDA2	Serial Data Line2	4.1V
35	GND	GND	-
36	V-MUTE	Video Signal Mute	23mV
37	S-AMP-MUTE	Sound Amp Mute	35mV
38	DPTV-ALE	Digital Video Signal Process Address latch enable	37mV
39	S-FESET	Sound Reset	4V
40	DPTV-WR	Digital Video Signal Process-Wirte	3.3V
41	DVD-SEL	DVD Select(?)	4.5V
42	N.C	N.C	-
43	GND	GND	-
44	GND	GND	-
45	N.C	N.C	-
46	DPTV-RD	Digital Video Signal Process Read	3.3V
47	N.C	N.C	-
48	DPTV-PS	DPTV External CPU access enble	105mV
49	N.C	N.C	-
50	AD7	Address Data bit7	52mV
51	N.C	N.C	-
52	AD6	Address Data bit6	52mV
53	TTX-CVBS	TTX/CAPTION-CVBS	1.6V
54	AD5	Address Data bit5	52mV
55	MAIN-AFT	Main Tuner AFT Control	0.6V
56	AD4	Address Data bit4	52mV
57	SUB-AFT	Sub AFT Control	-
58	AD3	Address Data bit3	3.3V
59	2RF-SELECT	2RF SELECT	35mV
60	AD2	Address Data bit2	52mV
61	BUS-STOP	1^{2}C Bust Stop	3.3V
62	AD1	Address Data bit1	52mV
63	GND	GND	-
64	AD0	Address Data bit0	3.3V

1-9-2 SCALER Module Pins

PIN NO.	ITEM	FUNCTION	OUT VOLT
1	9V	9V	9V
2	OSD/TTX-FB	OSD/TTX-FB	2.3mV
3	OSD/TTX-B	On Screen Display Blue In	273mV
4	OSD/TTX-G	On Screen Display Green In	270mV
5	OSD/TTX-R	On Screen Display Red In	285mV
6	GND	GND	-
7	STB-5V	5V	5V
8	VPC-RESET	VPC-RESET	3.8V
9	SCL2	Serial Clock Line2	4V
10	SDA2	Serial Data Line2	4V
11	GND	GND	-
12	V-MUTE	Video Mute	23mV
13	DPTV-ALE	Digital Video Signal Processor Address Latch Enable	37.6mV
14	DPTV-WR	Digital Video Signal Processor Write	3.3V
15	GND	GND	-
16	5V-C	5V-C	5V
17	TTX-H-BLK	TTX-Horizontal	-
18	TTX-V-BLK	TTX-Vertical	-
19	N.C	N.C	-
20	DPTV-RD	Digital Video Signal Process Read	3.3V
21	DPTV-PS	DPTV External CPU access enable	105mV
22	GND	GND	-
23	AD(7)	Address Data bit7	53mV
24	AD(6)	Address Data bit6	53mV
25	AD(5)	Address Data bit5	52.7mV
26	AD(4)	Address Data bit4	52.6mV
27	AD(3)	Address Data bit3	3.3V
28	AD(2)	Address Data bit2	53mV
29	AD(1)	Address Data bit1	53mV
30	AD(0)	Address Data bit0	3.3V
31	GND	GND	-
32	RF2-CVBS	RF2-CVBS	1V

PIN NO.	ITEM	FUNCTION	OUT VOLT
33	GND	GND	-
34	PIP-C	PIP-C Input	-
35	PIP-Y/CVBS	PIP-Y/CVBS Input	3.2mV
36	GND	GND	-
37	MAIN-C	MAIN-C Input	-
38	MAIN-Y/CVBS	MAIN-Y/CVBS Input	1.59V
39	PC-ID	PC-ID	4V
40	DVI-ID	DVD-ID	4V
41	21P-FB	Scart-FB	-
42	21P-R	Scart-R	-
43	21P-G	Scart-G	-
44	21P-B	Scart-B	-
45	N.C	N.C	-
46	N.C	N.C	-
47	N.C	N.C	-
48	N.C	N.C	-
49	N.C	N.C	-
50	N.C	N.C	-
51	N.C	N.C	-
52	N.C	N.C	-
53	N.C	N.C	-
54	N.C	N.C	-
55	N.C	N.C	-
56	N.C	N.C	-
57	N.C	N.C	-
58	GND	GND	-
59	DTVI-Pr	DTVI-Pr Input	1.75V
60	DTVI-Y	DTVI-Y Input	1.75V
61	DTVI-Pb	DTVI-Pb Input	1.75V
62	GND	GND	-
63	GND	GND	-
64	N.C	N.C	-

PIN NO.	ITEM	FUNCTION	OUT VOLT
65	N.C	N.C	-
66	GND	GND	-
67	DVD-Pr	DVD-Pr Input	1.75V
68	DVD-Y	DVD-Y Input	1.75V
69	DVD-Pb	DVD-Pb Input	1.75V
70	GND	GND	-
71	VM-Y	VN-Y Output	3V
72	GND	GND	-
73	CG-B	Convergence-Blue	-
74	CG-G	Convergence-Green	-
75	CG-R	Convergence-Red	-
76	CG-SYNC	Convergence SYNC	-
77	DF	Dynamic Focus Output	1.4V
78	GND	GND	-
79	N.C	-	-
80	PMM-INT	PMM-INTERRUPT	3.3V
81	SDA1	Serial Data Line1	4V
82	SCL1	Serial Data Line1	4V
83	GND	GND	-
84	HD	Horizontal Drive	0.53V
85	EW	East West Out	4.2V
86	GND	GND	-
87	VD-	Vertical Drive(-)	3.3V
88	VD+	Vertical Drive(+)	3.5V
89	ABL	Automatic Brightness Limiter	2V
90	V-BLK	Vertical Blank	107mV
91	GND	-	-
92	H-BLK	Horizontal Blank	0.85V
93	GND	GND	-
94	5V-B	5V-B	5V
95	GND	GND	-
96	5V-A	5V-A	5V

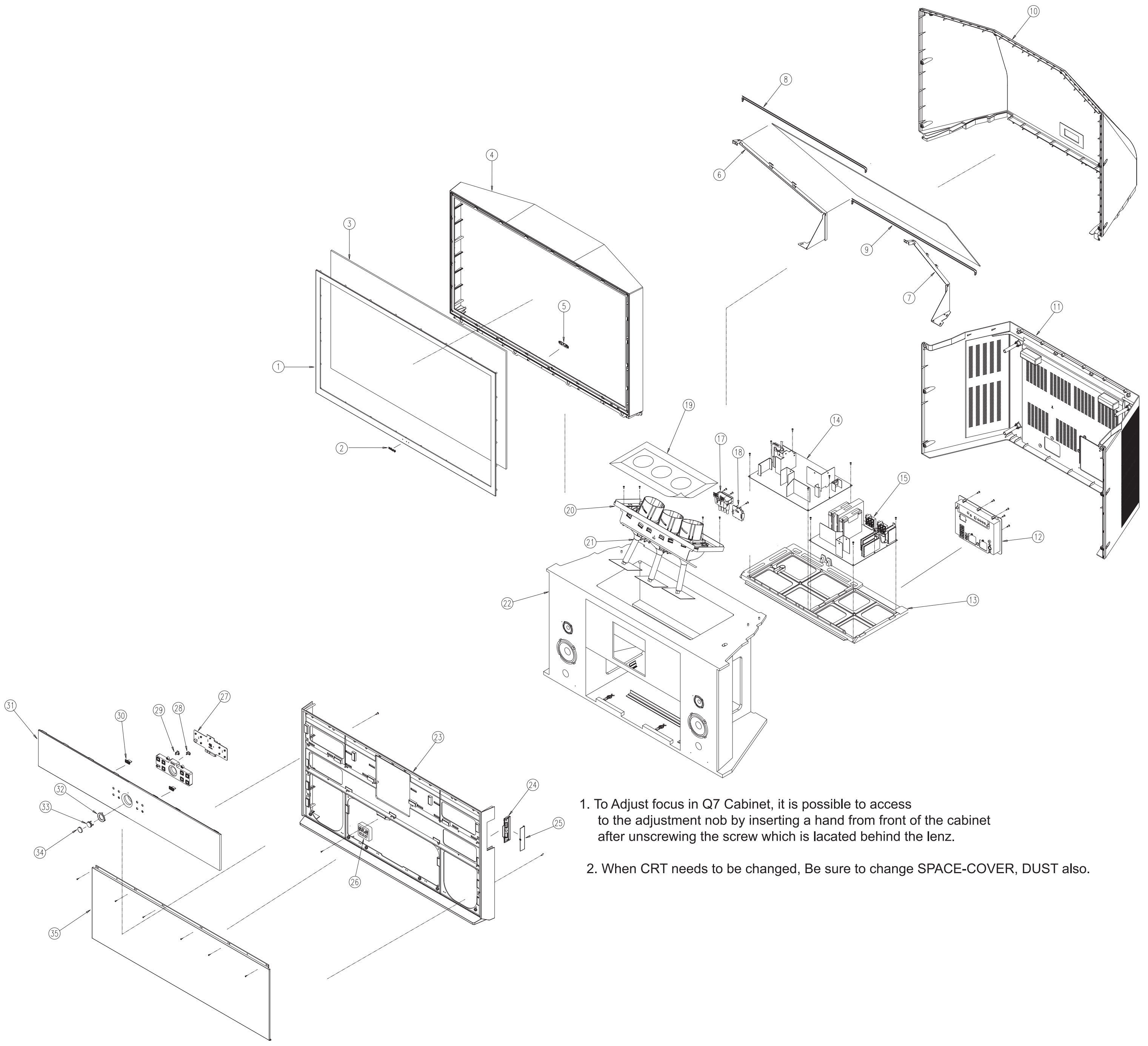
1-9-3 CONVERGENCE Module Pins(CNZ01)

PIN NO.	ITEM	FUNCTION	OUT VOLT
1	5V-CG	5V	5V
2	GND	GND	-
3	DF	Dynamic Focus	1.5V
4	GND	GND	-
5	SCL1	Serial Clock Line1	2.2V
6	CG-SYNC	Convergence Sync	178mV
7	GND	GND	-
8	N.C	N.C	-
9	CG-R	Convergence Red	1.08mV
10	CG-G	Convergence Green	1.06mV
11	CG-B	Convergence Blue	1.01mV
12	SDA1	Serial Data Line1	2.1V
13	N.C	N.C	-
14	IR	Remocon Input	3.9V
15	N.C	N.C	-
16	GND	GND	-
17	GND	GND	-
18	GND	GND	-
19	BV	Blue Vertical Out	2.6mV
20	BH	Blue Horizontal Out	-119mV
21	GV	Green Vertical Out	0.35V
22	GH	Green Horizontal Out	-30mV
23	RV	Red Vertical Out	240mV
24	RH	Red Horizontal Out	0.48V
25	GND	GND	-
26	H-BLK	Horizontal Blank	0.83V
27	V-BLK	Vertical Blank	109mV
28	GND	GND	-
29	N.C	N.C	-
30	-5V	-5V	-5V
31	5V-CG	5V	5V
32	GND	GND	-

2. Exploded View & Parts List

2-1 SP52Q7HRX/AAG

You can search for the updated part code through ITSELF web site.
URL : http://itself.sec.samsung.co.kr

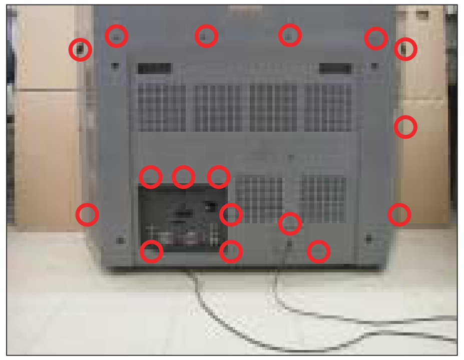


1. To Adjust focus in Q7 Cabinet, it is possible to access to the adjustment nob by inserting a hand from front of the cabinet after unscrewing the screw which is lacated behind the lenz.

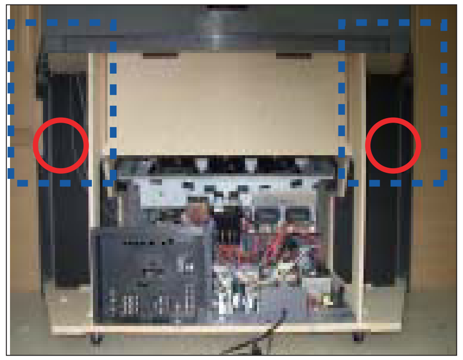
2. When CRT needs to be changed, Be sure to change SPACE-COVER, DUST also.

Remark	Code No	Description;Specification	Q'ty	S.N.A
1	BP64-00116L	CABINET FRONT-MASK;52Q7,HIPS,GRY,HB,DGM1	1	T0017
2	BP64-00178A	BADGE-BRAND;ALL,AL,T1.5,78,13.0,,BLK,SIL	1	T0057 S.N.A
3		SUN SCREEN-AG;52Q7,G110,T82,1175*673*2	1	T0110
4	BP64-00115A	CABINET-FRONT,TOP;52Q7,HIPS HB,G4309,SV0	1	T0245
5	BP61-00158A	HOLDER-SENSOR;52Q7,PC,VIOLET	4	T0559 S.N.A
6	BP61-00156A	BRACKET-MIRROR,SIDE(L);52Q7,SECC,T1.0	1	T0557 S.N.A
7	BP61-00157A	BRACKET-MIRROR,SIDE(R);52Q7,SECC,T1.0	1	T0558 S.N.A
8	BP61-00154A	BRACKET-MIRROR,TOP;52Q7,SECC,T1.0	1	T0267 S.N.A
9	BP61-00155A	BRACKET-MIRROR,BOTTOM;52Q7,SECC,T1.0	1	T0556 S.N.A
10	BP64-00120A	CABINET-BACK,TOP;52Q7,HIPS,HB,GRY	1	T0112
11	BP64-00121B	CABINET BACK-BOT;52Q7,HIPS,V0,GRY	1	T0015
12	BP96-00183E	ASSY COVER P-TERMINAL ANT;J57A,ASIA,HIPS	1	T0130 S.N.A
13	BP61-00131A	HOLDER-CHASSIS;PJCPT,ABS V0,GRAY	1	T0070 S.N.A
14	BP94-01179A	ASSY PCB MISC-PWR DEF;SP43T9HRX/XSE,J57A	1	T0097
15	BP94-00557J	ASSY PCB MAIN;SP43T9HRX/SMA,J57A	1	M0014
16	BP95-00100C	ASSY SUB PCB-CG MOD;SP47Q7HRX/XTT,J57A	1	
17	AA26-00149A	TRANS FBT-H/V DISTRIBUTOR;FUW50A001B(S),	1	T0118
18	AA94-08270A	ASSY PCB MISC-DY JACK;COMMANDO	1	T0105
19	AA60-00072B	SPACER-COVER,DUST;43,54,62J9,SPONGE 94HF	1	T0600 S.N.A
20	AA61-00475B	BRACKET-CRT,MAIN;54,SECC,T1.6,-,-,-,-	1	T0115 S.N.A
21	BP91-00906H	ASSY PRT;SP52Q7HRX/XTT,J57A	1	T0601 S.N.A
22	BP64-00156A	CABINET-WOOD;52Q7,WOOD,P55A	1	T0617 S.N.A
23	BP64-00119B	CABINET FRONT-BOT;52Q7,HIPS,V0,GRY,SV012	1	T0016
24	BP61-00159A	HOLDER-A/V;Q7,ABS HB,SV012P	1	S.N.A
25	AA64-02780G	DOOR-A/V;43T8,ABS,HB,SV012P	1	T0150 S.N.A
26	BP59-00005A	MODULE-FOCUS PACK ASS'Y;PJT TV,F301-P03A	1	T0103
27	BP94-00606A	ASSY PCB MISC-CONTROL;SP47Q7HRX/XTT,J57A	1	T0098
28	BP64-00128B	INDICATOR-LED;47,52Q7,PC CLEAR,,,,,	1	T0071 S.N.A
29	BP64-00125A	WINDOW-RMC;52Q7,PC,CLR	1	T0603 S.N.A
30	BP64-00122A	CABINET-BOSS;52Q7,ABS HB,BLK	2	T0555 S.N.A
31	BP96-00208L	ASSY COVER P-PANEL MID;52Q7,ABS,HB,GRY,D	1	T0039 S.N.A
32	BP64-00127A	KNOB-SIDE,COVER;52Q7,AL T1.0	1	T0605 S.N.A
33	BP64-00123A	KNOB POWER;52Q7,ABS HB,D-GRY,DGM2256	1	T0023 S.N.A
34	BP64-00126A	KNOB POWER-COVER;52Q7,AL T1.0	1	T0606 S.N.A
35	BP64-00118A	CABINET-PANNEL,BOTTOM;52Q7,HIPS HB,GRY,S	1	T0211

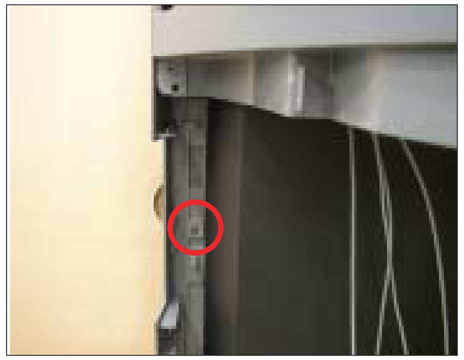
2-2 Panel-Middle Disassembly



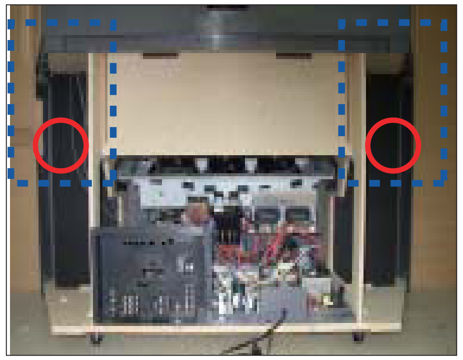
1. Remove the indicated screws from the Back-Bot



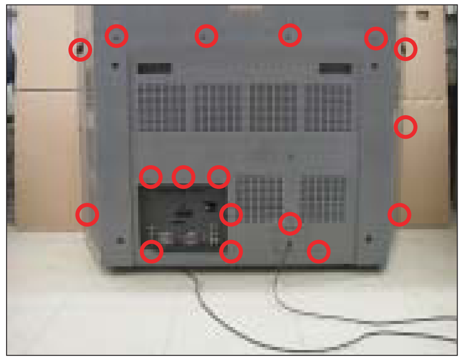
2. Remove 2 indicated screws on both sides after removing the Back-Bot.



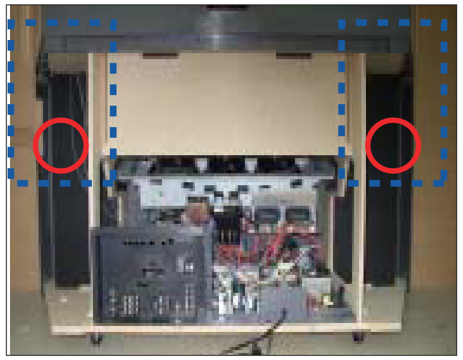
Note) Refer to 2.



3. Pull the panel forward holding onto the directed positions by the arrows in the illustration.

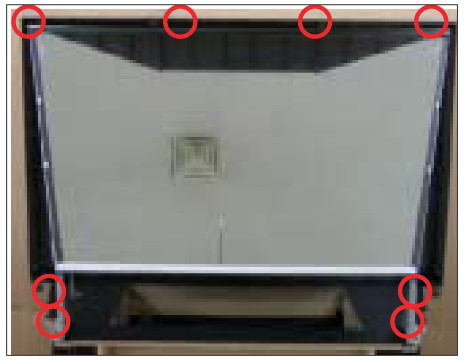


4. Panel is detached as illustrated.



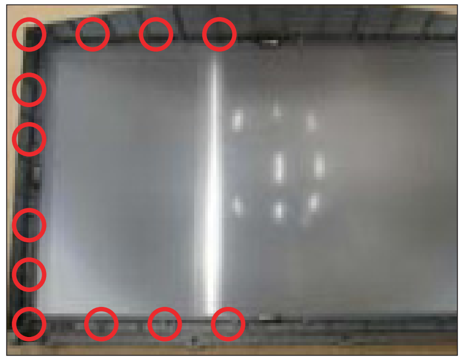
5. To assemble the panel, heed the guide on the top side of the panel and reverse the disassembly procedures.

2-3 Screen Disassembly

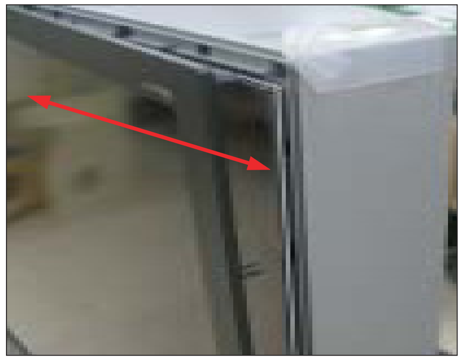


1. Remove the Back-Bot.
2. Remove the Back-Top.
3. Remove the Mirror-Assembly.
   (Remove 8 indicated screws and detach the Mirror-Assy)

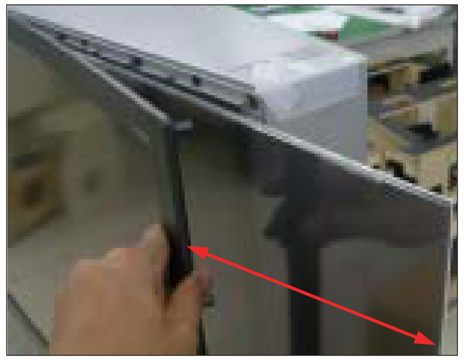
Note) Mirror-Assy is detached.



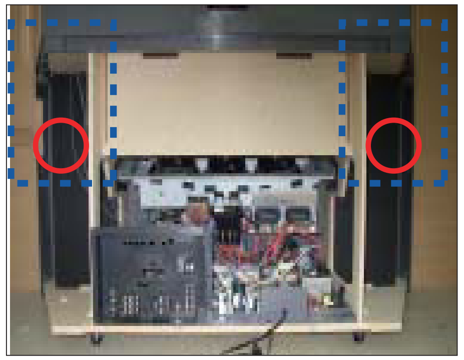
4. Remove 12 indicated screws on the Front-Mask



5. On the front side, pull the Screen between the Mask and the housing to the right. (Bending the Mask forward up to 15 degrees allows the Screen removal.)



6. Pull the Screen to the right.



Note) Screen is detached.

※ For Mask replacement, finish the step 6 and remove remaining screws on the Mask.

You can search for the updated part code through ITSELF web site.
URL : http://itself.sec.samsung.co.kr

3. Electrical Parts List

3-1 SP52Q7HRX/AAG

ASSY COVER REAR

Level	Loc. No.	Code No.	Description ; Specification	Remark
1	M0002	BP90-00127L	ASSY COVER REAR;SP52Q7HRX/AAG,J57A	S.N.A
2	CB+CF	6002-000522	SCREW-TAPPING;TH,+,2,M4,L15,ZPC(BLK),SWR	S.N.A
2	CBB+CF	6002-000522	SCREW-TAPPING;TH,+,2,M4,L15,ZPC(BLK),SWR	S.N.A
2	CBB+HP	6002-000522	SCREW-TAPPING;TH,+,2,M4,L15,ZPC(BLK),SWR	S.N.A
2	CBB+TB	6002-000522	SCREW-TAPPING;TH,+,2,M4,L15,ZPC(BLK),SWR	S.N.A
2	HP+HC	6002-000522	SCREW-TAPPING;TH,+,2,M4,L15,ZPC(BLK),SWR	S.N.A
2	TER+RJ	6003-001026	SCREW-TAPTITE;RH,+,B,M4,L15,ZPC(BLK),SWR	S.N.A
2	BM+CW	6005-001003	SCREW-WOOD;HH,+,M4,L19,ZPC(BLK),SWRCH18	S.N.A
2	HC+CW	6005-001003	SCREW-WOOD;HH,+,M4,L19,ZPC(BLK),SWRCH18	S.N.A
2	BRKMIR	AA60-10011A	SCREW-TAPTITE;-,SWRCH18A,M4,L12,HH,+,PC,	S.N.A
2	CG+BCM	AA60-10011A	SCREW-TAPTITE;-,SWRCH18A,M4,L12,HH,+,PC,	S.N.A
2	HPD+BC	AA60-10011A	SCREW-TAPTITE;-,SWRCH18A,M4,L12,HH,+,PC,	S.N.A
2	T0264	AA63-00021P	SPACER-MIRROR;52Q7,PVC HB,BLK	S.N.A
2	T0263	AA63-00021Q	SPACER-MIRROR,TOP;52Q7,PVC HB,BLK	S.N.A
2	T0265	AA63-00021R	SPACER-MIRROR,BOT;52Q7,PVC HB,BLK	S.N.A
2		AA64-60421B	INLAY-COVER;-,PS,T0.3,-,-,BLK,AAFES	S.N.A
2	T0214	AA65-30008A	CLAMPER CORE-CORD;-,PE,HB,-,BLK,-	S.N.A
2	T0267	BP61-00154A	BRACKET-MIRROR,TOP;52Q7,SECC,T1.0	S.N.A
2	T0556	BP61-00155A	BRACKET-MIRROR,BOTTOM;52Q7,SECC,T1.0	S.N.A
2	T0557	BP61-00156A	BRACKET-MIRROR,SIDE(L);52Q7,SECC,T1.0	S.N.A
2	T0558	BP61-00157A	BRACKET-MIRROR,SIDE(R);52Q7,SECC,T1.0	S.N.A
2	T0062	BP61-00180D	HOLDER-POWER;T8,Q7,HIPS,V0,GRY	S.N.A
2		BP63-00148A	COVER-FOCUS HOLE;PJTV,HIPS,2.0,HB,GR503	S.N.A
2	T0112	BP64-00120A	CABINET-BACK,TOP;52Q7,HIPS,HB,GRY	
2	T0015	BP64-00121B	CABINET BACK-BOT;52Q7,HIPS,V0,GRY	
2	T0260	BP67-00044A	MIRROR-FRONT;52Q7,1181*835*668	
2	T0130	BP96-00183E	ASSY COVER P-TERMINAL ANT;J57A,ASIA,HIPS	S.N.A
3	T0071	BP64-00094F	INLAY-TERMINAL;J57A,ASIA,PS,T0.5,BLK,SHE	S.N.A
3		BP65-00003A	TERMINAL-BOARD,ANT;,HIPS V0,BLK	S.N.A

ASSY PRT

Level	Loc. No.	Code No.	Description ; Specification	Remark
1	T0601	BP91-00906H	ASSY PRT;SP52Q7HRX/XTT,J57A	S.N.A
2	T0026	BP91-01316A	ASSY CPT-R;SP52Q7HRX/XTT,J57A	
3	T0117	AA26-30006F	TRANS FBT-ANODE CAP ASS'Y;-,FWZ-50A001C,	
3	T0079	AA33-00016A	MAGNET CONVERGENCE;JH 92LT - 29F,PJT-TV,	
3	T0245	AA39-00018A	LEAD CONNECTOR-ASSY;,UL1015#22,UL/CSA,1P	
3	T0334	AA60-00125B	SPACER-CRT;PROJ,SILICONE,D/GRAY	S.N.A
3	T0511	AA60-00127B	SPACER-LENS;PROJ,SILICONE,D/GRAY	S.N.A
3	BC+AL	AA60-10011A	SCREW-TAPTITE;-,SWRCH18A,M4,L12,HH,+,PC,	S.N.A
3		AA61-00056B	BRACKET-LENS;PROJECTION,SECC,T1.6,-,-,-,	S.N.A
3		AA61-00806B	CASE-COUPLER,R;PROJ,ALDC,T8,BLK	S.N.A
3		AA61-00809B	HOLDER-CRT;PROJ,PC/ABS GF 20%,BLK	S.N.A
3	T0511	AA63-00076B	SPACER-LENS;FELT,W7,BLK,T0.8	S.N.A
3	T0107	AA91-00722A	ASSY-BRKT,CRT;,SECC T1.6,PROJ	S.N.A
4	T0072	AA61-00473B	BRACKET-CRT;53,SECC,T1.6,-,-,-,-	S.N.A
4		AA61-00615B	BRACKET-EARTH;54J8,PBS,T0.5,-,-,-,-	S.N.A
4		AA61-00812A	SPRING ETC-WIRE;PROJ,STS,3.6	S.N.A
3		BP61-00079A	HOLDER-DY;,PJTV,T0.5,NYLON66 V2	S.N.A
3	T0078	AA27-00136A	DEFLECTION YOKE;,DPD-5293AC,S/S,7PRT,29.	
3	T0257	AA03-00389A	CRT MONO;P16QDU11RJA P,FREE,0.76MH,1.22M	S.N.A
3	T0069	BN60-00027B	SPACER-FELT;PJTV,PRT,FELT,L20,T1.0,W20	S.N.A
3	T0333	BP60-00050A	SPACER-CAP;EPDM,BLK	S.N.A
3	T0114	BP61-00725A	HOLDER-CAP;PC,CLEAR	S.N.A
3	T0051	BP67-00113B	LENS;LENS,CH140,RED,C-ELEMENT	
3	T0298	BP67-00113E	LENS-PLATE;LENS PLATE,CH140,NAT,SHADING	
3	T0109	BP67-00114A	LENS-ASSY;LENS ASSY,CH150,CLEAR,A/B	
2	T0027	BP91-01317A	ASSY CPT-G;SP52Q7HRX/XTT,J57A	
3	T0117	AA26-30006F	TRANS FBT-ANODE CAP ASS'Y;-,FWZ-50A001C,	
3	T0245	AA39-00018A	LEAD CONNECTOR-ASSY;,UL1015#22,UL/CSA,1P	
3	T0334	AA60-00125B	SPACER-CRT;PROJ,SILICONE,D/GRAY	S.N.A
3	T0511	AA60-00127B	SPACER-LENS;PROJ,SILICONE,D/GRAY	S.N.A
3	BC+AL	AA60-10011A	SCREW-TAPTITE;-,SWRCH18A,M4,L12,HH,+,PC,	S.N.A
3		AA61-00056B	BRACKET-LENS;PROJECTION,SECC,T1.6,-,-,-,	S.N.A
3		AA61-00807B	CASE-COUPLER,G;PROJ,ALDC,T8,BLK	S.N.A
3		AA61-00809B	HOLDER-CRT;PROJ,PC/ABS GF 20%,BLK	S.N.A
3	T0511	AA63-00076B	SPACER-LENS;FELT,W7,BLK,T0.8	S.N.A
3	T0107	AA91-00722A	ASSY-BRKT,CRT;,SECC T1.6,PROJ	S.N.A
4	T0072	AA61-00473B	BRACKET-CRT;53,SECC,T1.6,-,-,-,-	S.N.A
4		AA61-00615B	BRACKET-EARTH;54J8,PBS,T0.5,-,-,-,-	S.N.A
4		AA61-00812A	SPRING ETC-WIRE;PROJ,STS,3.6	S.N.A
3		BP61-00079A	HOLDER-DY;,PJTV,T0.5,NYLON66 V2	S.N.A
3	T0078	AA27-00136A	DEFLECTION YOKE;,DPD-5293AC,S/S,7PRT,29.	
3	T0257	AA03-00388A	CRT MONO;P16QDU11GHA P,FREE,0.76MH,1.22M	S.N.A
3	T0069	BN60-00027B	SPACER-FELT;PJTV,PRT,FELT,L20,T1.0,W20	S.N.A
3	T0333	BP60-00050A	SPACER-CAP;EPDM,BLK	S.N.A
3	T0114	BP61-00725A	HOLDER-CAP;PC,CLEAR	S.N.A
3	T0051	BP67-00113C	LENS;LENS,CH140,GREEN,C-ELEMENT	
3	T0298	BP67-00113E	LENS-PLATE;LENS PLATE,CH140,NAT,SHADING	
3	T0109	BP67-00114A	LENS-ASSY;LENS ASSY,CH150,CLEAR,A/B	
2	T0028	BP91-01318A	ASSY CPT-B;SP52Q7HRX/XTT,J57A	
3	T0117	AA26-30006F	TRANS FBT-ANODE CAP ASS'Y;-,FWZ-50A001C,	
3	T0079	AA33-00018A	MAGNET CONVERGENCE;JH 92LT - 36F,PJT-TV,	
3	T0245	AA39-00018A	LEAD CONNECTOR-ASSY;,UL1015#22,UL/CSA,1P	
3	T0334	AA60-00125B	SPACER-CRT;PROJ,SILICONE,D/GRAY	S.N.A
3	T0511	AA60-00127B	SPACER-LENS;PROJ,SILICONE,D/GRAY	S.N.A
3	BC+AL	AA60-10011A	SCREW-TAPTITE;-,SWRCH18A,M4,L12,HH,+,PC,	S.N.A
3		AA61-00056B	BRACKET-LENS;PROJECTION,SECC,T1.6,-,-,-,	S.N.A
3		AA61-00808B	CASE-COUPLER,B;PROJ,ALDC,T8,BLK	S.N.A
3		AA61-00809B	HOLDER-CRT;PROJ,PC/ABS GF 20%,BLK	S.N.A
3	T0511	AA63-00076B	SPACER-LENS;FELT,W7,BLK,T0.8	S.N.A
3	T0107	AA91-00722A	ASSY-BRKT,CRT;,SECC T1.6,PROJ	S.N.A
4	T0072	AA61-00473B	BRACKET-CRT;53,SECC,T1.6,-,-,-,-	S.N.A
4		AA61-00615B	BRACKET-EARTH;54J8,PBS,T0.5,-,-,-,-	S.N.A
4		AA61-00812A	SPRING ETC-WIRE;PROJ,STS,3.6	S.N.A
3		BP61-00079A	HOLDER-DY;,PJTV,T0.5,NYLON66 V2	S.N.A
3	T0078	AA27-00136A	DEFLECTION YOKE;,DPD-5293AC,S/S,7PRT,29.	
3	T0257	AA03-00309A	CRT MONO;P16QDU11BEA(S),FREE,0.78MH,7.0M	S.N.A
3	T0069	BN60-00027B	SPACER-FELT;PJTV,PRT,FELT,L20,T1.0,W20	S.N.A
3	T0333	BP60-00050A	SPACER-CAP;EPDM,BLK	S.N.A
3	T0114	BP61-00725A	HOLDER-CAP;PC,CLEAR	S.N.A
3	T0051	BP67-00113D	LENS;LENS,CH140,CLEAR,C-ELEMENT	
3	T0298	BP67-00113E	LENS-PLATE;LENS PLATE,CH140,NAT,SHADING	
3	T0109	BP67-00114A	LENS-ASSY;LENS ASSY,CH150,CLEAR,A/B	

ASSY CHASSIS

Level	Loc. No.	Code No.	Description ; Specification	Remark
1	M0017	BP91-01010Z	ASSY CHASSIS;SP52Q7HRX/AAG,J57A	S.N.A
2	T0105	AA94-08270A	ASSY PCB MISC-DY JACK;COMMANDO	
3		AA97-07230N	ASSY AUTO;COMMANDO	S.N.A
4	R301	2001-001107	R-CARBON(S);220ohm,5%,1/2W,AA,TP,2.4x6.4	
4	R302	2001-001107	R-CARBON(S);220ohm,5%,1/2W,AA,TP,2.4x6.4	
4	R303	2001-001107	R-CARBON(S);220ohm,5%,1/2W,AA,TP,2.4x6.4	
4	PCB	AA41-00632A	PCB-DY CONNECTION;HCM4215W,FR-1,1L,A,1.6	S.N.A
3		0202-001366	SOLDER-WIRE FLUX;-,RS60S,D1.2,63Sn/37Pb,	S.N.A
3	GT01	AA60-40012D	PIN-GT,ASSY;T1.6,6-12.5-,NYLON66	S.N.A
3	GT05	AA60-40012D	PIN-GT,ASSY;T1.6,6-12.5-,NYLON66	S.N.A
3	GT09	AA60-40012D	PIN-GT,ASSY;T1.6,6-12.5-,NYLON66	S.N.A
3	GT13	AA60-40012D	PIN-GT,ASSY;T1.6,6-12.5-,NYLON66	S.N.A
3		AA61-01197A	HOLDER-PCB,DY;COMANDO,ABS V0,BLK	S.N.A
2	T0096	BP94-00321A	ASSY PCB MISC-V/M;SVP-55W9HG,P57A	
3	RZ120	2008-001097	R-FUSIBLE(S);33OHM,5%,1/2W,AC,BK,2.5X6.5	

Loc. No.	Code No.	Description ; Specification	Remark
3 T0121	3301-001201	CORE-FERRITE;AE,21x11x32mm,1500,280G	
3 T0079	AA33-00017A	MAGNET CONVERGENCE;JH 92LT - 29G,PJT-TV,	
3 QZ102	AA96-00243L	ASSY H/S;-,CRT,AA62-000450A,2SC2344,HERC	S.N.A
4	0205-001153	GREASE-SILICON;SC102,JAPAN,-	S.N.A
4 T0090	0502-000153	TR-POWER;2SC2344-D,NPN,1.2W,TO-220,-,60	
4 T0081	6003-000335	SCREW-TAPTITE;RH,+,2S,M3,L8,ZPC(YEL),SWR	S.N.A
4	AA62-00045A	HEAT SINK-PS;-,-,T1.0,-,-,DREAM,-,-,-,-,	S.N.A
3 QZ101	AA96-00243M	ASSY H/S;-,AMP,AA62-000450A,2SA1011,HERC	S.N.A
4	0205-001153	GREASE-SILICON;SC102,JAPAN,-	S.N.A
4 T0090	0502-000131	TR-POWER;2SA1011-D,PNP,1.2W,TO-220,-,60	
4 T0081	6003-000335	SCREW-TAPTITE;RH,+,2S,M3,L8,ZPC(YEL),SWR	S.N.A
4	AA62-00045A	HEAT SINK-PS;-,-,T1.0,-,-,DREAM,-,-,-,-,	S.N.A
3	BP97-00308A	ASSY AUTO-VM;SVP-55W9HT,P57A	S.N.A
4 DZ106	0401-000005	DIODE-SWITCHING;1N4148,75V,150MA,DO-35,T	
4 DZ105	0401-000005	DIODE-SWITCHING;1N4148,75V,150MA,DO-35,T	
4 DZ102	0401-000005	DIODE-SWITCHING;1N4148,75V,150MA,DO-35,T	
4 DZ104	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
4 DZ103	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
4 DZ101	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
4 QZ103	0501-000283	TR-SMALL SIGNAL;KSA539,PNP,400mW,TO-92,T	
4 QZ106	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
4 QZ105	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
4 QZ104	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
4 RZ122	2001-000019	R-CARBON(S);10OHM,5%,1/2W,AA,TP,2.4X6.4M	
4 RZ109	2001-000221	R-CARBON;1.2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 RZ102	2001-000221	R-CARBON;1.2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 RZ108	2001-000241	R-CARBON;1.5KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 RZ101	2001-000241	R-CARBON;1.5KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 RZ117	2001-000258	R-CARBON;1.8KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 RZ118	2001-000258	R-CARBON;1.8KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 RZ116	2001-000331	R-CARBON;12KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 RZ107	2001-000331	R-CARBON;12KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 RZ119	2001-000554	R-CARBON;270OHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 RZ121	2001-000666	R-CARBON;33OHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 RZ115	2001-000832	R-CARBON;510OHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 RZ104	2001-001100	R-CARBON(S);2.7OHM,5%,1/2W,AA,TP,2.4X6.4	
4 RZ110	2001-001100	R-CARBON(S);2.7OHM,5%,1/2W,AA,TP,2.4X6.4	
4 RZ105	2001-001139	R-CARBON(S);39KOHM,5%,1/2W,AA,TP,2.4X6.4	
4 RZ106	2001-001139	R-CARBON(S);39KOHM,5%,1/2W,AA,TP,2.4X6.4	
4 RZ114	2003-000458	R-METAL OXIDE(S);100ohm,5%,2W,AF,TP,4x12	
4 RZ103	2003-000713	R-METAL OXIDE(S);47ohm,5%,2W,AF,TP,4x12m	
4 RZ111	2003-000713	R-METAL OXIDE(S);47ohm,5%,2W,AF,TP,4x12m	
4 RZ123	2003-002157	R-METAL OXIDE;220OHM,5%,2W,AG,TP,6X16MM	
4 RZ113	2003-002157	R-METAL OXIDE;220OHM,5%,2W,AG,TP,6X16MM	
4 RZ112	2003-002157	R-METAL OXIDE;220OHM,5%,2W,AG,TP,6X16MM	
4 RFZ101	2008-001086	R-FUSIBLE(S);3.3ohm,5%,2W,AG,TP,3.9x12mm	
4 CZ106	2201-000193	C-CERAMIC,DISC;0.01NF,0.25PF,50V,C0G,TP,	
4 CZ104	2201-000193	C-CERAMIC,DISC;0.01NF,0.25PF,50V,C0G,TP,	
4 CZ110	2201-000604	C-CERAMIC,DISC;0.056NF,+100-0%,500V,SL,T	
4 CZ111	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
4 CZ112	2401-000832	C-AL;220uF,20%,25V,GP,TP,8x11.5,5	
4 CZ102	2401-001157	C-AL;33uF,20%,160V,GP,TP,12.5x20,5	
4 CZ108	2401-001220	C-AL;4.7uF,20%,160V,GP,TP,8x11.5,5	
4 CZ109	2401-001220	C-AL;4.7uF,20%,160V,GP,TP,8x11.5,5	
4 CZ107	2401-001513	C-AL;47uF,20%,16V,WT,TP,5x11,5	
4 CZ101	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
4 LZ101	2701-000002	INDUCTOR-AXIAL;100UH,10%,4298	
4 CNZ104	3711-002642	CONNECTOR-HEADER;BOX,3P,1R,2.5mm,STRAIGH	
4 CNZ103	3711-002642	CONNECTOR-HEADER;BOX,3P,1R,2.5mm,STRAIGH	
4 CNZ102	3711-002642	CONNECTOR-HEADER;BOX,3P,1R,2.5mm,STRAIGH	
4 PCB	AA41-00611A	PCB-VM;HCM4215W,FR-1,1L,A,1.6T,245X245,P	S.N.A
4 CZ103	2201-000516	C-CERAMIC,DISC;4.7NF,+100-0%,500V,Y5U,TP	
4 CZ105	2201-000516	C-CERAMIC,DISC;4.7NF,+100-0%,500V,Y5U,TP	
3 CNZ101	BP39-00069A	LEAD CONNECTOR;P57A/SVP-55WHT,UL1007#26,	
3 PV+MC	6003-001023	SCREW-TAPTITE;PWH,+,B,M3,L10,ZPC(YEL),SW	S.N.A
3	0202-001366	SOLDER-WIRE FLUX;-,RS60S,D1.2,63Sn/37Pb,	S.N.A
2 T0268	BP94-00376A	ASSY PCB MISC-DYNAMIC FOCUS;SVP-55W9HT,P	
3	0202-001366	SOLDER-WIRE FLUX;-,RS60S,D1.2,63Sn/37Pb,	S.N.A
3 SG301	4715-001050	SURGE ABSORBER;2.4kV,20%,1500A,-,DISC-RA	S.N.A
3 Q371	AA96-00244H	ASSY H/S;SCREW,2SC4636(2),CRT,SLICON-OIL	S.N.A
4	0205-001153	GREASE-SILICON;SC102,JAPAN,-	S.N.A
4 T0090	0502-000442	TR-POWER;2SC4636RB,NPN,2W,TO-220,ST,10-	
4 T0081	6003-000335	SCREW-TAPTITE;RH,+,2S,M3,L8,ZPC(YEL),SWR	S.N.A
4	AA62-00046A	HEAT SINK-PS;-,-,T1.0,-,D1(DREAM) 60X25X	S.N.A
3	BP97-00310A	ASSY AUTO;SVP-55W9HT,P57A	S.N.A
4 D372	0401-000005	DIODE-SWITCHING;1N4148,75V,150MA,DO-35,T	
4 D371	0401-000005	DIODE-SWITCHING;1N4148,75V,150MA,DO-35,T	
4 D362	0401-000005	DIODE-SWITCHING;1N4148,75V,150MA,DO-35,T	
4 D361	0401-000005	DIODE-SWITCHING;1N4148,75V,150MA,DO-35,T	
4 D373	0402-000243	DIODE-RECTIFIER;RC2-V1,2KV,0.2A,DO-201,T	
4 Q361	0501-000283	TR-SMALL SIGNAL;KSA539,PNP,400mW,TO-92,T	
4 Q362	0501-000366	TR-SMALL SIGNAL;KSC2330-Y,NPN,1W,TO-92L,	
4 R376	2001-000613	R-CARBON;3.9KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 R362	2001-000660	R-CARBON;33KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 R363	2001-000878	R-CARBON;6.2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 R364	2001-000938	R-CARBON;68OHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 R381	2001-001088	R-CARBON(S);1KOHM,5%,1/2W,AA,TP,2.4X6.4M	
4 R361	2001-001097	R-CARBON(S);2.4KOHM,5%,1/2W,AA,TP,2.4X6.	
4 R372	2001-001110	R-CARBON(S);240KOHM,5%,1/2W,AA,TP,2.4X6.	
4 R373	2001-001110	R-CARBON(S);240KOHM,5%,1/2W,AA,TP,2.4X6.	
4 R374	2001-001110	R-CARBON(S);240KOHM,5%,1/2W,AA,TP,2.4X6.	
4 R365	2001-001120	R-CARBON(S);3.3OHM,5%,1/2W,AA,TP,2.4X6.4	
4 R380	2004-001892	R-METAL(S);162Kohm,1%,1/2W,AA,TP,2.5x6.5	
4 R379	2004-001892	R-METAL(S);162Kohm,1%,1/2W,AA,TP,2.5x6.5	
4 R378	2004-001892	R-METAL(S);162Kohm,1%,1/2W,AA,TP,2.5x6.5	
4 R377	2004-001892	R-METAL(S);162Kohm,1%,1/2W,AA,TP,2.5x6.5	
4 C376	2201-000556	C-CERAMIC,DISC;0.47NF,10%,500V,Y5P,TP,5.	
4 C361	2306-000122	C-FILM,LEAD-PPF;100nF,5%,50V,TP,7.3x4.0x	
4 C373	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
4 C371	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
4 C372	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
4 C374	2401-001621	C-AL;6.8uF,20%,450V,GP,TP,13x20,5	
4 EL302	6042-000001	EYELET;ID2.2,OD2.7,L3.1,NI+SN,BSP3-1/2H	S.N.A
4 EL301	6042-000001	EYELET;ID2.2,OD2.7,L3.1,NI+SN,BSP3-1/2H	S.N.A
4 EY301	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY302	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 GT374	AA60-40014A	PIN-GT,ASSY;AUTO	S.N.A
4 GT373	AA60-40014A	PIN-GT,ASSY;AUTO	S.N.A
4 GT370	AA60-40014A	PIN-GT,ASSY;AUTO	S.N.A
4 GT371	AA60-40014A	PIN-GT,ASSY;AUTO	S.N.A
4 GT372	AA60-40014A	PIN-GT,ASSY;AUTO	S.N.A
4 GT375	AA60-40014A	PIN-GT,ASSY;AUTO	S.N.A
4 R382	2002-001014	R-COMPOSITION;6.8Kohm,10%,1/2W,AA,TP,3.7	
4 DZ371	0403-000708	DIODE-ZENER;MTZJ13B,12.55-13.21V,500MW,D	
4 R367	2003-002102	R-METAL OXIDE(S);68Kohm,5%,2W,AF,TP,4x12	
4 R368	2003-002102	R-METAL OXIDE(S);68Kohm,5%,2W,AF,TP,4x12	
4 R369	2003-002102	R-METAL OXIDE(S);68Kohm,5%,2W,AF,TP,4x12	
4 R370	2003-002102	R-METAL OXIDE(S);68Kohm,5%,2W,AF,TP,4x12	
4 R370A	2003-002102	R-METAL OXIDE(S);68Kohm,5%,2W,AF,TP,4x12	
4 R371	2003-002102	R-METAL OXIDE(S);68Kohm,5%,2W,AF,TP,4x12	
4 0	AA41-00844B	PCB-DYNAMIC;SP47Q7HRX,PCB-Dynamic,1,1.6T	S.N.A
3 CN301	3711-000012	CONNECTOR-HEADER;BOX,4P,1R,2.5mm,STRAIGH	
3 GTW374	AA39-20010B	LEAD CONNECTOR-ASSY;,1P,500,YFH800-01,S,	
3 GTW375	AA39-20010H	LEAD CONNECTOR-ASSY;,1P,300,YFH800-01,S,	
2 M0014	BP94-00557J	ASSY PCB MAIN;SP43T9HRX/SMA,J57A	
3	0202-001366	SOLDER-WIRE FLUX;-,RS60S,D1.2,63Sn/37Pb,	S.N.A
⚠ 3 D801	0402-000586	DIODE-RECTIFIER;RK49,90V,3.5A,DO-201AD	
⚠ 3 IC802	1203-000119	IC-NEGA.FIXED REG.;7905,TO-220,3P,-,PLAS	
⚠ 3 IC807	1203-000165	IC-POSI.ADJUST REG.;78R12,TO-220,4P,-,PL	
3 C681	2401-000737	C-AL;2200uF,20%,50V,GP,BK,18x35.5,7.5	
3 C801	2401-001068	C-AL;3300uF,20%,50V,GP,BK,22x40,10	
3 CNZ01	3703-001150	CONNECTOR-BACK PANEL;32P,2R,FEMALE,STRAI	
3 CN901	3703-001187	CONNECTOR-BACK PANEL;64P,2R,FEMALE,STRAI	
3 CNS01	3703-001187	CONNECTOR-BACK PANEL;64P,2R,FEMALE,STRAI	
3 CNW03	3710-001208	CONNECTOR-BACK PANEL;32P,2R,FEMALE,STRAI	
3 CNW02	3710-001771	CONNECTOR-BACK PANEL;64P,2R,FEMALE,STRAI	
3 CN802	3711-000616	CONNECTOR-HEADER;BOX,11P,1R,2.5mm,STRAIG	
3 CN902	3711-000616	CONNECTOR-HEADER;BOX,11P,1R,2.5mm,STRAIG	
3 CN801	3711-000654	CONNECTOR-HEADER;BOX,12P,1R,2.5mm,STRAIG	
3 CNY01	3711-000654	CONNECTOR-HEADER;BOX,12P,1R,2.5mm,STRAIG	
3 CN202	3711-001038	CONNECTOR-HEADER;BOX,6P,1R,2.5mm,STRAIGH	
3 CNZ02	3711-003043	CONNECTOR-HEADER;BOX,4P,1R,2.5MM,STRAIGH	
3 CNZ04	3711-003043	CONNECTOR-HEADER;BOX,4P,1R,2.5MM,STRAIGH	
3 CNZ05	3711-003043	CONNECTOR-HEADER;BOX,4P,1R,2.5MM,STRAIGH	
3 CN201	3711-003241	CONNECTOR-HEADER;BOX,14P,1R,2.5MM,STRAIG	
3 JA703	3722-001163	JACK-VHS;4P,12mm,AU,BLK,N	
3 JA701	3722-001426	JACK-PIN;9P,3.4mm,NI,BLK,-	
3 JA704	3722-001910	JACK-PIN;10P(15P),-,NI,GN/BL/RD/WH/RDX2,	
3 JA702	3722-002076	JACK-PIN;6P(9P),NI,(WHT/RED)x3,ANGLE	
3 L802	AA27-10001C	COIL CHOKE;-,100uH,K,-,5.0A,ST,700UH-K(R	
3 L803	AA27-10004E	COIL CHOKE;-,40uH,10%,-,-,-,-,RING 19,14	
3 L801	AA29-00004A	FILTER LINE NOISE;-,20UH,3A,AC80-260V,TQ	
3 T0568	AA39-30007A	CBF IF;-,T,100mm,1365#26	
3 TU03	AA40-00083A	TUNER;TCLS3101PD16A(S),PAL B/G,D/K,I,M,1	

Loc. No.	Code No.	Description ; Specification	Remark
3 TU02	AA40-00084A	TUNER;TCPS3000PC16B(S),PAL ,181CH,38.9MH	
3 CG-TOP	AA63-00396B	SHIELD CASE-TOP;PRJT,P54A,SPTE,T0.5,-,-,	S.N.A
3 MI-TOP	AA63-00396B	SHIELD CASE-TOP;PRJT,P54A,SPTE,T0.5,-,-,	S.N.A
3 SO-TOP	AA63-00396B	SHIELD CASE-TOP;PRJT,P54A,SPTE,T0.5,-,-,	S.N.A
3 CG-BOT	AA63-00397B	SHIELD CASE-BOT;PRJT,P54A,SPTE,T0.5,-,-,	S.N.A
3 MI-BOT	AA63-00397B	SHIELD CASE-BOT;PRJT,P54A,SPTE,T0.5,-,-,	S.N.A
3 SO-BOT	AA63-00397B	SHIELD CASE-BOT;PRJT,P54A,SPTE,T0.5,-,-,	S.N.A
3 IC801	AA96-00475C	ASSY H/S;SILICON-OIL,KA278R09,KA7808,AA6	S.N.A
4	0205-001153	GREASE-SILICON;SC102,JAPAN,-	S.N.A
4 T0087	1203-000293	IC-POSI.FIXED REG.;7808,TO-220,3P,-,PLAS	
4 T0087	1203-002003	IC-POSI.FIXED REG.;278R09,TO-220,4P,-,PL	
4 T0081	6003-000334	SCREW-TAPTITE;RH,+,2S,M3,L6,ZPC(YEL),SWR	S.N.A
4	AA62-00066B	HEAT SINK;D2,D3,AL ,T1.0,89,70,-,AA62-00	S.N.A
4 IC062	1203-001978	IC-MULTI REG.;KA278RA05,TO-220F,4P,-,PLA	
3 ICZ103	AA96-00891A	ASSY H/S;-,CONVERGENCE,AA62-30173L,STK39	S.N.A
3 ICZ104	AA96-00891A	ASSY H/S;-,CONVERGENCE,AA62-30173L,STK39	S.N.A
4	0205-001153	GREASE-SILICON;SC102,JAPAN,-	S.N.A
4 T0074	1201-001225	IC-VIDEO AMP;392,SIP,22P,-,TRIPLE,-,PLAS	
4 T0081	6003-001021	SCREW-TAPTITE;RH,+,B,M3,L15,ZPC(YEL),SWR	S.N.A
4	AA62-30173L	HEAT SINK;PJT,A6063,T2.0,H130,CG MODULE	S.N.A
3 IC601	AA96-50399A	ASSY H/S;-,-,AA62-30181M,TDA7265,-	S.N.A
4	0205-001153	GREASE-SILICON;SC102,JAPAN,-	S.N.A
4 T0124	1201-001026	IC-POWER AMP;7265,ZIP,11P,19.6MIL,DUAL,1	
4 T0081	6003-000333	SCREW-TAPTITE;RH,+,2S,M3,L10,ZPC(YEL),SW	S.N.A
4	AA62-30181M	HEAT SINK-ES;-,A6063 EXTR,-,-,90/18.5,-,	S.N.A
3 T0452	BP95-00100B	ASSY SUB PCB-SOUND;SP47Q7HRX/XTT,J57A	
4 CNS01	3703-001175	CONNECTOR-BACK PANEL;64P,2R,MALE,ANGLE,A	
4	BP97-00631A	ASSY SMD;SP47Q7HRX/XTT,J57A	S.N.A
5 DS002	0403-001016	DIODE-ZENER;RLZ6.2B,5.96-6.27V,500MW,LL-	
5 DS003	0403-001016	DIODE-ZENER;RLZ6.2B,5.96-6.27V,500MW,LL-	
5 DS004	0403-001117	DIODE-ZENER;RLZ12B,11.44-12.03V,500MW,LL	
5 DS005	0403-001117	DIODE-ZENER;RLZ12B,11.44-12.03V,500MW,LL	
5 IC003	1201-000541	IC-OP AMP;062,SOP,8P,153MIL,DUAL,6V/mV,P	
5 RS019	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
5 RS025	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
5 RS029	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
5 RS022	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
5 RS023	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
5 RS009	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RS008	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RS007	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RS006	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RS003	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RS004	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RS005	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RS017	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
5 RS018	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
5 RS020	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
5 RS021	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
5 RS016	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
5 RS011	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
5 RS012	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
5 RS013	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
5 RS014	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
5 RS033	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
5 RS032	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
5 RS028	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
5 RS026	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
5 RS027	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
5 RS048	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	
5 RS046	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	
5 RS045	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	
5 RS043	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	
5 RS052	2007-000329	R-CHIP;11Kohm,5%,1/10W,TP,1608	
5 RS051	2007-000329	R-CHIP;11Kohm,5%,1/10W,TP,1608	
5 RS055	2007-001010	R-CHIP;51Kohm,5%,1/10W,TP,1608	
5 RS054	2007-001010	R-CHIP;51Kohm,5%,1/10W,TP,1608	
5 CS030	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,TP,1608,-	
5 CS029	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,TP,1608,-	
5 CS028	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,TP,1608,-	
5 CS027	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,TP,1608,-	
5 CS026	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,TP,1608,-	
5 CS031	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,TP,1608,-	
5 CS034	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,TP,1608,-	
5 CS033	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,TP,1608,-	
5 CS032	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,TP,1608,-	
5 CS019	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,TP,1608,-	

Loc. No.	Code No.	Description ; Specification	Remark
5 CS018	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,TP,1608,-	
5 CS017	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,TP,1608,-	
5 CS002	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,TP,1608,-	
5 CS001	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,TP,1608,-	
5 CS020	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,TP,1608,-	
5 CS025	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,TP,1608,-	
5 CS024	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,TP,1608,-	
5 CS023	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,TP,1608,-	
5 CS022	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,TP,1608,-	
5 CS021	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,TP,1608,-	
5 CS040	2203-001071	C-CER,CHIP;0.056NF,5%,50V,C0G,TP,1608	
5 CS039	2203-001071	C-CER,CHIP;0.056NF,5%,50V,C0G,TP,1608	
5 CS038	2203-001071	C-CER,CHIP;0.056NF,5%,50V,C0G,TP,1608	
5 CS043	2402-000130	C-AL,SMD;2.2uF,20%,50V,GP,TP,4.3x4.3x5.	
5 CS042	2402-000130	C-AL,SMD;2.2uF,20%,50V,GP,TP,4.3x4.3x5.	
5 CS049	2402-000135	C-AL,SMD;22uF,20%,16V,GP,TP,5.3x5.3x5.4	
5 CS050	2402-000135	C-AL,SMD;22uF,20%,16V,GP,TP,5.3x5.3x5.4	
5 CS051	2402-000135	C-AL,SMD;22uF,20%,16V,GP,TP,5.3x5.3x5.4	
5 CS052	2402-000135	C-AL,SMD;22uF,20%,16V,GP,TP,5.3x5.3x5.4	
5 CS044	2402-000135	C-AL,SMD;22uF,20%,16V,GP,TP,5.3x5.3x5.4	
5 CS045	2402-000135	C-AL,SMD;22uF,20%,16V,GP,TP,5.3x5.3x5.4	
5 CS046	2402-000135	C-AL,SMD;22uF,20%,16V,GP,TP,5.3x5.3x5.4	
5 CS048	2402-000135	C-AL,SMD;22uF,20%,16V,GP,TP,5.3x5.3x5.4	
5 CS056	2402-000173	C-AL,SMD;4.7uF,20%,35V,GP,TP,4.3x4.3x5.	
5 CS057	2402-000173	C-AL,SMD;4.7uF,20%,35V,GP,TP,4.3x4.3x5.	
5 CS058	2402-000173	C-AL,SMD;4.7uF,20%,35V,GP,TP,4.3x4.3x5.	
5 CS053	2402-000173	C-AL,SMD;4.7uF,20%,35V,GP,TP,4.3x4.3x5.	
5 CS054	2402-000173	C-AL,SMD;4.7uF,20%,35V,GP,TP,4.3x4.3x5.	
5 CS055	2402-000173	C-AL,SMD;4.7uF,20%,35V,GP,TP,4.3x4.3x5.	
5 CS065	2402-000176	C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4	
5 CS064	2402-000176	C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4	
5 CS063	2402-000176	C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4	
5 CS062	2402-000176	C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4	
5 CS060	2402-000176	C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4	
5 CS059	2402-000176	C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4	
5 CS066	2402-001006	C-AL,SMD;4.7uF,20%,25V,GP,TP,3.6x6.3x3.	
5 CS067	2402-001033	C-AL,SMD;220uF,20%,16V,GP,TP,8.3x8.3x10	
5 CS072	2402-001042	C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4	
5 CS071	2402-001042	C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4	
5 CS069	2402-001042	C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4	
5 CS073	2402-001042	C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4	
5 LS001	2703-000398	INDUCTOR-SMD;10uH,10%,3225	
5 LS005	2703-000398	INDUCTOR-SMD;10uH,10%,3225	
5 LS004	3301-001404	BEAD-SMD;30ohm,2012,5000mA,TP,,,0.01ohm	
5 LS003	3301-001404	BEAD-SMD;30ohm,2012,5000mA,TP,,,0.01ohm	
5 PCB	AA41-00971A	PCB-SOUND;SOUND,FR-4,2,1.6T,100*95,J57A,	S.N.A
5 RS041	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
5 RS042	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
5 RS049	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
5 RS050	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
5 IC001	1204-002180	IC-SOUND PROCESSOR;MSP4410G_QA_C12_500,P	
5 XS001	2801-004300	CRYSTAL-SMD;18.432MHz,30ppm,28-ABX,13pF,	
5 CS003	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CS004	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CS005	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CS006	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CS007	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CS009	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CS010	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CS074	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CS015	2203-000872	C-CER,CHIP;0.003NF,0.25PF,50V,C0G,TP,160	
5 CS016	2203-000872	C-CER,CHIP;0.003NF,0.25PF,50V,C0G,TP,160	
5	0202-001376	SOLDER-CREAM;RX3603-2330HO,S45A,PASTE,Sn	S.N.A
4	0202-001366	SOLDER-WIRE FLUX;-,RS60S,D1.2,63Sn/37Pb,	S.N.A
3	BP95-00100C	ASSY SUB PCB-CG MOD;SP47Q7HRX/XTT,J57A	
4	0202-001366	SOLDER-WIRE FLUX;-,RS60S,D1.2,63Sn/37Pb,	S.N.A
4 L01	2701-001030	INDUCTOR-AXIAL;43UH,10%,4514	
4 CN01	3703-001124	CONNECTOR-BACK PANEL;32P,2R,MALE,ANGLE,A	
4 CN04	3711-003601	CONNECTOR-HEADER;BOX,12P,1R,2.5mm,ANGLE,	
4	BP97-00634A	ASSY SMD;SP47Q7HRX/XTT,J57A	S.N.A
5	0202-001376	SOLDER-CREAM;RX3603-2330HO,S45A,PASTE,Sn	S.N.A
5 D10	0401-000160	DIODE-SWITCHING;ISS314,30V,100MA,SOD-323	
5 D11	0401-000160	DIODE-SWITCHING;ISS314,30V,100MA,SOD-323	
5 D12	0401-000160	DIODE-SWITCHING;ISS314,30V,100MA,SOD-323	
5 D13	0401-000160	DIODE-SWITCHING;ISS314,30V,100MA,SOD-323	
5 D14	0401-000160	DIODE-SWITCHING;ISS314,30V,100MA,SOD-323	
5 D15	0401-000160	DIODE-SWITCHING;ISS314,30V,100MA,SOD-323	

Loc. No.	Code No.	Description ; Specification	Remark
5 D16	0401-000160	DIODE-SWITCHING;ISS314,30V,100MA,SOD-323	
5 D17	0401-000160	DIODE-SWITCHING;ISS314,30V,100MA,SOD-323	
5 D18	0401-000160	DIODE-SWITCHING;ISS314,30V,100MA,SOD-323	
5 D01	0401-000160	DIODE-SWITCHING;ISS314,30V,100MA,SOD-323	
5 D02	0401-000160	DIODE-SWITCHING;ISS314,30V,100MA,SOD-323	
5 D03	0401-000160	DIODE-SWITCHING;ISS314,30V,100MA,SOD-323	
5 D04	0401-000160	DIODE-SWITCHING;ISS314,30V,100MA,SOD-323	
5 D05	0401-000160	DIODE-SWITCHING;ISS314,30V,100MA,SOD-323	
5 D09	0401-000160	DIODE-SWITCHING;ISS314,30V,100MA,SOD-323	
5 D08	0401-000160	DIODE-SWITCHING;ISS314,30V,100MA,SOD-323	
5 D07	0401-000160	DIODE-SWITCHING;ISS314,30V,100MA,SOD-323	
5 D06	0401-000160	DIODE-SWITCHING;ISS314,30V,100MA,SOD-323	
5 DZ03	0403-001016	DIODE-ZENER;RLZ6.2B,5.96-6.27V,500MW,LL-	
5 DZ02	0403-001016	DIODE-ZENER;RLZ6.2B,5.96-6.27V,500MW,LL-	
5 DZ01	0403-001016	DIODE-ZENER;RLZ6.2B,5.96-6.27V,500MW,LL-	
5 Q03	0501-000280	TR-SMALL SIGNAL;KSA1182,PNP,150mW,SOT-23	
5 Q02	0501-000280	TR-SMALL SIGNAL;KSA1182,PNP,150mW,SOT-23	
5 Q04	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	
5 Q10	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	
5 Q09	0505-000110	FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0.	
5 Q08	0505-000110	FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0.	
5 Q07	0505-000110	FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0.	
5 IC16	0801-002345	IC-CMOS LOGIC;7S04,INVERTER,SOT-353,5P,4	
5 IC15	0801-002345	IC-CMOS LOGIC;7S04,INVERTER,SOT-353,5P,4	
5 IC04	0801-002345	IC-CMOS LOGIC;7S04,INVERTER,SOT-353,5P,4	
5 IC08	1001-000164	IC-ANALOG MULTIPLEX;74HC4052,CMOS,SOP,16	
5 IC13	1001-001155	IC-ANALOG MULTIPLEX;NC7SB3157P6X,CMOS,SC	
5 IC05	1103-001195	IC-EEPROM;24C64,8Kx8,SOP,P,5x4mm,2.7/5.5	
5 IC12	1201-001135	IC-OP AMP;324,SOP,ST,14P,150MIL,QUAD,100	
5 IC14	1201-001504	IC-OP AMP;072,SOP,8P,150MIL,DUAL,-,PLAST	
5 IC11	1201-001504	IC-OP AMP;072,SOP,8P,150MIL,DUAL,-,PLAST	
5 IC10	1201-001504	IC-OP AMP;072,SOP,8P,150MIL,DUAL,-,PLAST	
5 IC09	1201-001504	IC-OP AMP;072,SOP,8P,150MIL,DUAL,-,PLAST	
5 IC07	1201-001520	IC-VIDEO AMP;EL2250CS,SOIC,8P,150MIL,DUA	
5 IC03	1203-001824	IC-VOL. DETECTOR;7042,SOT-89,3P,-,PLASTI	
5 IC02	1203-002302	IC-POSI.FIXED REG.;78RM33D,D-PAK,3P,-,PL	
5 IC17	1209-001163	IC-PLL;TLC2932IPWLE,SOP,14P,-,PLASTIC	
5 R36	2007-000028	R-CHIP;39ohm,5%,1/8W,TP,2012	
5 R35	2007-000028	R-CHIP;39ohm,5%,1/8W,TP,2012	
5 R31	2007-000028	R-CHIP;39ohm,5%,1/8W,TP,2012	
5 R30	2007-000028	R-CHIP;39ohm,5%,1/8W,TP,2012	
5 R143	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
5 R144	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
5 R25	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
5 R122	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
5 R123	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
5 R141	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
5 R136	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	
5 R15	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	
5 R24	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	
5 R45	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	
5 R46	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	
5 R09	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	
5 R10	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	
5 R129	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	
5 R134	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	
5 R135	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	
5 R59	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 R65	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 R71	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 R77	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 R91	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 R53	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 R02	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 R16	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 R17	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 R20	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 R47	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 R62	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
5 R64	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
5 R68	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
5 R58	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
5 R56	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
5 R52	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
5 R70	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
5 R98	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
5 R94	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	

Loc. No.	Code No.	Description ; Specification	Remark
5 R82	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
5 R80	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
5 R76	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
5 R74	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
5 R50	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
5 R37	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
5 R128	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
5 R110	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
5 R11	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
5 R101	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
5 R03	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
5 R38	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
5 R44	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
5 R43	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
5 R42	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
5 R39	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
5 R40	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
5 R41	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
5 R81	2007-000080	R-CHIP;2Kohm,5%,1/10W,TP,1608	
5 R75	2007-000080	R-CHIP;2Kohm,5%,1/10W,TP,1608	
5 R69	2007-000080	R-CHIP;2Kohm,5%,1/10W,TP,1608	
5 R51	2007-000080	R-CHIP;2Kohm,5%,1/10W,TP,1608	
5 R57	2007-000080	R-CHIP;2Kohm,5%,1/10W,TP,1608	
5 R63	2007-000080	R-CHIP;2Kohm,5%,1/10W,TP,1608	
5 R109	2007-000082	R-CHIP;3.3Kohm,5%,1/10W,TP,1608	
5 R66	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
5 R61	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
5 R60	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
5 R55	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
5 R54	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
5 R79	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
5 R78	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
5 R73	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
5 R72	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
5 R67	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
5 R49	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
5 R08	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
5 R07	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
5 R06	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
5 R04	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
5 R01	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
5 R48	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
5 R133	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
5 R121	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
5 R119	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
5 R118	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
5 R86	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
5 R92	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
5 R93	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
5 R96	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
5 R97	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
5 R85	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
5 R113	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
5 R114	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
5 R115	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
5 R83	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
5 R84	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
5 R125	2007-000091	R-CHIP;12Kohm,5%,1/10W,TP,1608	
5 R05	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	
5 R127	2007-000109	R-CHIP;1Mohm,5%,1/10W,TP,1608	
5 R100	2007-000118	R-CHIP;390ohm,5%,1/10W,TP,1608	
5 R32	2007-000119	R-CHIP;560ohm,5%,1/10W,TP,1608	
5 R34	2007-000122	R-CHIP;1.2Kohm,5%,1/10W,TP,1608	
5 R29	2007-000122	R-CHIP;1.2Kohm,5%,1/10W,TP,1608	
5 R28	2007-000122	R-CHIP;1.2Kohm,5%,1/10W,TP,1608	
5 R117	2007-000122	R-CHIP;1.2Kohm,5%,1/10W,TP,1608	
5 R107	2007-000122	R-CHIP;1.2Kohm,5%,1/10W,TP,1608	
5 R33	2007-000124	R-CHIP;2.2Kohm,5%,1/10W,TP,1608	
5 R120	2007-000124	R-CHIP;2.2Kohm,5%,1/10W,TP,1608	
5 R90	2007-000133	R-CHIP;330Kohm,5%,1/10W,TP,1608	
5 R89	2007-000133	R-CHIP;330Kohm,5%,1/10W,TP,1608	
5 R88	2007-000133	R-CHIP;330Kohm,5%,1/10W,TP,1608	
5 R87	2007-000133	R-CHIP;330Kohm,5%,1/10W,TP,1608	
5 R108	2007-000381	R-CHIP;13Kohm,5%,1/10W,TP,1608	
5 R139	2007-000402	R-CHIP;150ohm,5%,1/10W,TP,1608	
5 R138	2007-000402	R-CHIP;150ohm,5%,1/10W,TP,1608	
5 R137	2007-000402	R-CHIP;150ohm,5%,1/10W,TP,1608	

Loc. No.	Code No.	Description ; Specification	Remark
5 R99	2007-000704	R-CHIP;3.6Kohm,5%,1/10W,TP,1608	
5 R95	2007-000704	R-CHIP;3.6Kohm,5%,1/10W,TP,1608	
5 R126	2007-000857	R-CHIP;4.3Kohm,1%,1/10W,TP,1608	
5 R27	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	
5 R26	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	
5 R148	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	
5 R116	2007-001179	R-CHIP;8.2Kohm,5%,1/10W,TP,1608	
5 RN04	2011-000585	R-NET;47OHM,5%,1/16W,L,CHIP,8P,TP	
5 RN05	2011-000585	R-NET;47OHM,5%,1/16W,L,CHIP,8P,TP	
5 RN06	2011-000585	R-NET;47OHM,5%,1/16W,L,CHIP,8P,TP	
5 RN01	2011-000585	R-NET;47OHM,5%,1/16W,L,CHIP,8P,TP	
5 RN02	2011-000585	R-NET;47OHM,5%,1/16W,L,CHIP,8P,TP	
5 RN03	2011-000585	R-NET;47OHM,5%,1/16W,L,CHIP,8P,TP	
5 C81	2203-000041	C-CER,CHIP;0.01NF,0.25PF,50V,C0G,TP,1608	
5 C65	2203-000041	C-CER,CHIP;0.01NF,0.25PF,50V,C0G,TP,1608	
5 C61	2203-000041	C-CER,CHIP;0.01NF,0.25PF,50V,C0G,TP,1608	
5 C57	2203-000041	C-CER,CHIP;0.01NF,0.25PF,50V,C0G,TP,1608	
5 C44	2203-000041	C-CER,CHIP;0.01NF,0.25PF,50V,C0G,TP,1608	
5 C48	2203-000041	C-CER,CHIP;0.01NF,0.25PF,50V,C0G,TP,1608	
5 C52	2203-000041	C-CER,CHIP;0.01NF,0.25PF,50V,C0G,TP,1608	
5 C36	2203-000181	C-CER,CHIP;100nF,+80-20%,25V,Y5V,TP,2012	
5 C37	2203-000181	C-CER,CHIP;100nF,+80-20%,25V,Y5V,TP,2012	
5 C39	2203-000181	C-CER,CHIP;100nF,+80-20%,25V,Y5V,TP,2012	
5 C41	2203-000181	C-CER,CHIP;100nF,+80-20%,25V,Y5V,TP,2012	
5 C45	2203-000181	C-CER,CHIP;100nF,+80-20%,25V,Y5V,TP,2012	
5 C31	2203-000181	C-CER,CHIP;100nF,+80-20%,25V,Y5V,TP,2012	
5 C32	2203-000181	C-CER,CHIP;100nF,+80-20%,25V,Y5V,TP,2012	
5 C33	2203-000181	C-CER,CHIP;100nF,+80-20%,25V,Y5V,TP,2012	
5 C34	2203-000181	C-CER,CHIP;100nF,+80-20%,25V,Y5V,TP,2012	
5 C35	2203-000181	C-CER,CHIP;100nF,+80-20%,25V,Y5V,TP,2012	
5 C49	2203-000181	C-CER,CHIP;100nF,+80-20%,25V,Y5V,TP,2012	
5 C78	2203-000181	C-CER,CHIP;100nF,+80-20%,25V,Y5V,TP,2012	
5 C79	2203-000181	C-CER,CHIP;100nF,+80-20%,25V,Y5V,TP,2012	
5 C83	2203-000181	C-CER,CHIP;100nF,+80-20%,25V,Y5V,TP,2012	
5 C85	2203-000181	C-CER,CHIP;100nF,+80-20%,25V,Y5V,TP,2012	
5 C86	2203-000181	C-CER,CHIP;100nF,+80-20%,25V,Y5V,TP,2012	
5 C53	2203-000181	C-CER,CHIP;100nF,+80-20%,25V,Y5V,TP,2012	
5 C54	2203-000181	C-CER,CHIP;100nF,+80-20%,25V,Y5V,TP,2012	
5 C58	2203-000181	C-CER,CHIP;100nF,+80-20%,25V,Y5V,TP,2012	
5 C62	2203-000181	C-CER,CHIP;100nF,+80-20%,25V,Y5V,TP,2012	
5 C71	2203-000181	C-CER,CHIP;100nF,+80-20%,25V,Y5V,TP,2012	
5 C30	2203-000181	C-CER,CHIP;100nF,+80-20%,25V,Y5V,TP,2012	
5 C09	2203-000181	C-CER,CHIP;100nF,+80-20%,25V,Y5V,TP,2012	
5 C10	2203-000181	C-CER,CHIP;100nF,+80-20%,25V,Y5V,TP,2012	
5 C11	2203-000181	C-CER,CHIP;100nF,+80-20%,25V,Y5V,TP,2012	
5 C12	2203-000181	C-CER,CHIP;100nF,+80-20%,25V,Y5V,TP,2012	
5 C13	2203-000181	C-CER,CHIP;100nF,+80-20%,25V,Y5V,TP,2012	
5 C02	2203-000181	C-CER,CHIP;100nF,+80-20%,25V,Y5V,TP,2012	
5 C04	2203-000181	C-CER,CHIP;100nF,+80-20%,25V,Y5V,TP,2012	
5 C05	2203-000181	C-CER,CHIP;100nF,+80-20%,25V,Y5V,TP,2012	
5 C07	2203-000181	C-CER,CHIP;100nF,+80-20%,25V,Y5V,TP,2012	
5 C08	2203-000181	C-CER,CHIP;100nF,+80-20%,25V,Y5V,TP,2012	
5 C15	2203-000181	C-CER,CHIP;100nF,+80-20%,25V,Y5V,TP,2012	
5 C25	2203-000181	C-CER,CHIP;100nF,+80-20%,25V,Y5V,TP,2012	
5 C26	2203-000181	C-CER,CHIP;100nF,+80-20%,25V,Y5V,TP,2012	
5 C27	2203-000181	C-CER,CHIP;100nF,+80-20%,25V,Y5V,TP,2012	
5 C28	2203-000181	C-CER,CHIP;100nF,+80-20%,25V,Y5V,TP,2012	
5 C29	2203-000181	C-CER,CHIP;100nF,+80-20%,25V,Y5V,TP,2012	
5 C20	2203-000181	C-CER,CHIP;100nF,+80-20%,25V,Y5V,TP,2012	
5 C21	2203-000181	C-CER,CHIP;100nF,+80-20%,25V,Y5V,TP,2012	
5 C22	2203-000181	C-CER,CHIP;100nF,+80-20%,25V,Y5V,TP,2012	
5 C23	2203-000181	C-CER,CHIP;100nF,+80-20%,25V,Y5V,TP,2012	
5 C24	2203-000181	C-CER,CHIP;100nF,+80-20%,25V,Y5V,TP,2012	
5 C89	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
5 C75	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
5 C72	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
5 C63	2203-000357	C-CER,CHIP;0.15NF,5%,50V,C0G,TP,1608	
5 C59	2203-000357	C-CER,CHIP;0.15NF,5%,50V,C0G,TP,1608	
5 C55	2203-000357	C-CER,CHIP;0.15NF,5%,50V,C0G,TP,1608	
5 C42	2203-000357	C-CER,CHIP;0.15NF,5%,50V,C0G,TP,1608	
5 C46	2203-000357	C-CER,CHIP;0.15NF,5%,50V,C0G,TP,1608	
5 C50	2203-000357	C-CER,CHIP;0.15NF,5%,50V,C0G,TP,1608	
5 C77	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,TP,1608,-	
5 C91	2203-000575	C-CER,CHIP;220NF,10%,25V,X7R,TP,2012	
5 C90	2203-000575	C-CER,CHIP;220NF,10%,25V,X7R,TP,2012	
5 C88	2203-000975	C-CER,CHIP;47nF,10%,25V,X7R,TP,1608,-	
5 C74	2203-000975	C-CER,CHIP;47nF,10%,25V,X7R,TP,1608,-	

Loc. No.	Code No.	Description ; Specification	Remark
5 C73	2203-000975	C-CER,CHIP;47nF,10%,25V,X7R,TP,1608,-	
5 C82	2203-001071	C-CER,CHIP;0.056NF,5%,50V,C0G,TP,1608	
5 C64	2203-001071	C-CER,CHIP;0.056NF,5%,50V,C0G,TP,1608	
5 C60	2203-001071	C-CER,CHIP;0.056NF,5%,50V,C0G,TP,1608	
5 C56	2203-001071	C-CER,CHIP;0.056NF,5%,50V,C0G,TP,1608	
5 C43	2203-001071	C-CER,CHIP;0.056NF,5%,50V,C0G,TP,1608	
5 C47	2203-001071	C-CER,CHIP;0.056NF,5%,50V,C0G,TP,1608	
5 C51	2203-001071	C-CER,CHIP;0.056NF,5%,50V,C0G,TP,1608	
5 C69	2203-001083	C-CER,CHIP;0.005nF,0.1pF,50V,NP0,TP,1608	
5 C68	2203-001083	C-CER,CHIP;0.005nF,0.1pF,50V,NP0,TP,1608	
5 C67	2203-001083	C-CER,CHIP;0.005nF,0.1pF,50V,NP0,TP,1608	
5 C66	2203-001083	C-CER,CHIP;0.005nF,0.1pF,50V,NP0,TP,1608	
5 C94	2203-001245	C-CER,CHIP;0.082nF,5%,50V,NP0,TP,2012	
5 C93	2203-001245	C-CER,CHIP;0.082nF,5%,50V,NP0,TP,2012	
5 C87	2203-001245	C-CER,CHIP;0.082nF,5%,50V,NP0,TP,2012	
5 C38	2402-001042	C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4	
5 C40	2402-001042	C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4	
5 C70	2402-001042	C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4	
5 C84	2402-001042	C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4	
5 C14	2402-001042	C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4	
5 C06	2402-001042	C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4	
5 C03	2402-001042	C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4	
5 C01	2402-001042	C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4	
5 C80	2402-001049	C-AL,CHIP;10uF,20%,16V,GP,TP,3.3x3.3x5.4	
5 OSC01	2804-001479	OSCILLATOR-CLOCK;24MHZ,100PPM,50PF,TP,5V	
5 EF04	3301-001324	BEAD-SMD;15ohm,2012,600mA,TP,,,0.1ohm	
5 EF03	3301-001324	BEAD-SMD;15ohm,2012,600mA,TP,,,0.1ohm	
5 IC06	AA09-00032A	IC MICOM;TSC87251G2D-24IB,TSC87251G2D-OT	
5 PCB	AA41-00717E	PCB-CG;Convergence,FR-4,4,1.6T,245*245,9	S.N.A
5 IC01	BP13-00003A	IC ASIC;SDC12,128,-0.3 TO +3.8,0 TO 70,Q	
3 T0124	BP95-00109E	ASSY SUB PCB-SCALER;SP47Q7HRX/XSA,J57A	S.N.A
4	0202-001366	SOLDER-WIRE FLUX;-,RS60S,D1.2,63Sn/37Pb,	S.N.A
4 CW210	2301-000204	C-FILM,LEAD-PEF;2.7nF,5%,50V,TP,7.4x3.9x	
4 CW206	2301-001664	C-FILM,LEAD-OTHER;100nF,3%,50V,TP,20x16x	
4 CW209	2301-001664	C-FILM,LEAD-OTHER;100nF,3%,50V,TP,20x16x	
4 CON05	3701-000003	CONNECTOR-DSUB;15P,3R,FEMALE,ANGLE,AUF	
4 CON04	3701-000003	CONNECTOR-DSUB;15P,3R,FEMALE,ANGLE,AUF	
4 CON03	3701-001221	CONNECTOR-DSUB;24P+5C,3R,FEMALE,ANGLE,AU	
4 CON06	3711-000570	CONNECTOR-HEADER;BOX,10P,1R,2.5MM,ANGLE,	
4 CON01	3711-003630	CONNECTOR-BACK PANEL;BOX,32P,2R,2.54mm,A	
4 CON02	3711-004947	CONNECTOR-BACK PANEL;BOX,64P,2R,2.54MM,A	
4	BP97-00641A	ASSY SMD;SP43T9HRX/SAP,J57A	S.N.A
5	0202-001376	SOLDER-CREAM;RX3603-2330HO,S45A,PASTE,Sn	S.N.A
5 DD111	0401-000008	DIODE-SWITCHING;DAN217,80V,100MA,SOT-23,	
5 DD112	0401-000008	DIODE-SWITCHING;DAN217,80V,100MA,SOT-23,	
5 DD201	0401-000008	DIODE-SWITCHING;DAN217,80V,100MA,SOT-23,	
5 DD202	0401-000008	DIODE-SWITCHING;DAN217,80V,100MA,SOT-23,	
5 DD203	0401-000008	DIODE-SWITCHING;DAN217,80V,100MA,SOT-23,	
5 DD206	0401-000008	DIODE-SWITCHING;DAN217,80V,100MA,SOT-23,	
5 DD207	0401-000008	DIODE-SWITCHING;DAN217,80V,100MA,SOT-23,	
5 DD110	0401-000008	DIODE-SWITCHING;DAN217,80V,100MA,SOT-23,	
5 DD103	0401-000008	DIODE-SWITCHING;DAN217,80V,100MA,SOT-23,	
5 DD104	0401-000008	DIODE-SWITCHING;DAN217,80V,100MA,SOT-23,	
5 DD105	0401-000008	DIODE-SWITCHING;DAN217,80V,100MA,SOT-23,	
5 DD106	0401-000008	DIODE-SWITCHING;DAN217,80V,100MA,SOT-23,	
5 DD109	0401-000008	DIODE-SWITCHING;DAN217,80V,100MA,SOT-23,	
5 DD108	0401-000008	DIODE-SWITCHING;DAN217,80V,100MA,SOT-23,	
5 DD107	0401-000008	DIODE-SWITCHING;DAN217,80V,100MA,SOT-23,	
5 DW201	0401-000133	DIODE-SWITCHING;RLS4148,75V,150MA,LL-34,	
5 DW202	0401-000133	DIODE-SWITCHING;RLS4148,75V,150MA,LL-34,	
5 DW203	0401-000133	DIODE-SWITCHING;RLS4148,75V,150MA,LL-34,	
5 DW204	0401-000133	DIODE-SWITCHING;RLS4148,75V,150MA,LL-34,	
5 DW104	0401-000133	DIODE-SWITCHING;RLS4148,75V,150MA,LL-34,	
5 DD101	0401-000133	DIODE-SWITCHING;RLS4148,75V,150MA,LL-34,	
5 DD102	0401-000133	DIODE-SWITCHING;RLS4148,75V,150MA,LL-34,	
5 DW102	0401-000133	DIODE-SWITCHING;RLS4148,75V,150MA,LL-34,	
5 DW103	0401-000133	DIODE-SWITCHING;RLS4148,75V,150MA,LL-34,	
5 DZW104	0403-000620	DIODE-ZENER;RLZ5.6B,5.45-5.73V,500MW,LL-	
5 DZW103	0403-000620	DIODE-ZENER;RLZ5.6B,5.45-5.73V,500MW,LL-	
5 DZW204	0403-001016	DIODE-ZENER;RLZ6.2B,5.96-6.27V,500MW,LL-	
5 DZW203	0403-001016	DIODE-ZENER;RLZ6.2B,5.96-6.27V,500MW,LL-	
5 DW101	0403-001016	DIODE-ZENER;RLZ6.2B,5.96-6.27V,500MW,LL-	
5 DD204	0403-001016	DIODE-ZENER;RLZ6.2B,5.96-6.27V,500MW,LL-	
5 DD205	0403-001016	DIODE-ZENER;RLZ6.2B,5.96-6.27V,500MW,LL-	
5 DD208	0403-001016	DIODE-ZENER;RLZ6.2B,5.96-6.27V,500MW,LL-	
5 DZW107	0403-001117	DIODE-ZENER;RLZ12B,11.44-12.03V,500MW,LL	
5 DZW108	0403-001117	DIODE-ZENER;RLZ12B,11.44-12.03V,500MW,LL	

Loc. No.	Code No.	Description ; Specification	Remark
5 DZW109	0403-001117	DIODE-ZENER;RLZ12B,11.44-12.03V,500MW,LL	
5 DZW201	0403-001117	DIODE-ZENER;RLZ12B,11.44-12.03V,500MW,LL	
5 DZW101	0403-001117	DIODE-ZENER;RLZ12B,11.44-12.03V,500MW,LL	
5 DZW102	0403-001117	DIODE-ZENER;RLZ12B,11.44-12.03V,500MW,LL	
5 DZW105	0403-001117	DIODE-ZENER;RLZ12B,11.44-12.03V,500MW,LL	
5 DZW106	0403-001117	DIODE-ZENER;RLZ12B,11.44-12.03V,500MW,LL	
5 DZW202	0403-001127	DIODE-ZENER;02DZ5.1,4.98-5.2V,200MW,SOD-	
5 QW109	0501-000280	TR-SMALL SIGNAL;KSA1182,PNP,150mW,SOT-23	
5 QW107	0501-000280	TR-SMALL SIGNAL;KSA1182,PNP,150mW,SOT-23	
5 QW106	0501-000280	TR-SMALL SIGNAL;KSA1182,PNP,150mW,SOT-23	
5 QW105	0501-000280	TR-SMALL SIGNAL;KSA1182,PNP,150mW,SOT-23	
5 QH104	0501-000280	TR-SMALL SIGNAL;KSA1182,PNP,150mW,SOT-23	
5 QD103	0501-000344	TR-SMALL SIGNAL;KSC1623-G,NPN,200mW,SOT-	
5 QT102	0501-000344	TR-SMALL SIGNAL;KSC1623-G,NPN,200mW,SOT-	
5 QV101	0501-000344	TR-SMALL SIGNAL;KSC1623-G,NPN,200mW,SOT-	
5 QV102	0501-000344	TR-SMALL SIGNAL;KSC1623-G,NPN,200mW,SOT-	
5 QV103	0501-000344	TR-SMALL SIGNAL;KSC1623-G,NPN,200mW,SOT-	
5 QW101	0501-000344	TR-SMALL SIGNAL;KSC1623-G,NPN,200mW,SOT-	
5 QW102	0501-000344	TR-SMALL SIGNAL;KSC1623-G,NPN,200mW,SOT-	
5 QW103	0501-000344	TR-SMALL SIGNAL;KSC1623-G,NPN,200mW,SOT-	
5 QW104	0501-000344	TR-SMALL SIGNAL;KSC1623-G,NPN,200mW,SOT-	
5 QW108	0501-000344	TR-SMALL SIGNAL;KSC1623-G,NPN,200mW,SOT-	
5 QW201	0501-000727	TR-SMALL SIGNAL;BC848C,NPN,310mW,SOT-23,	
5 QD102	0505-000110	FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0.	
5 QD101	0505-000110	FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0.	
5 QA102	0505-000110	FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0.	
5 QA101	0505-000110	FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0.	
5 ICH02	0801-002267	IC-CMOS LOGIC;74LCX14,-,SOIC,14P,150MIL,	
5 ICD02	0801-002267	IC-CMOS LOGIC;74LCX14,-,SOIC,14P,150MIL,	
5 ICF03	0801-002559	IC-CMOS LOGIC;74LVX74,D FLIP-FLOP,TSSOP,	
5 ICT03	0904-001031	IC-I/O SUPPORT CHIP;8574,8BIT,S0P,16P,-,	
5 ICA01	1002-001341	IC-D/A CONVERTER;ADV7123KST140,-,LQFP,48	
5 ICH03	1002-001343	IC-A/D CONVERTER;AD9888KS-100,-,MQFP,128	
5 ICF01	1003-001391	IC-DISPLAY DRIVER;FLI2200,QFP,176P,945MI	
5 ICN01	1003-001565	IC-DISPLAY DRIVER;SDP31,QFP,208P,28X28MM	
5 ICD04	1103-000129	IC-EEPROM;24C02,256x8,SOP,8P,5x4mm,4.5/5	
5 ICD06	1103-001164	IC-EEPROM;24LC21A,128x8,SOP,8P,5.13x4mm,	
5 ICS03	1105-001336	IC-DRAM;-,512K*32*4Bit,TSOP,86P,400MIL,6	
5 ICS02	1105-001336	IC-DRAM;-,512K*32*4Bit,TSOP,86P,400MIL,6	
5 ICN03	1105-001336	IC-DRAM;-,512K*32*4Bit,TSOP,86P,400MIL,6	
5 ICN02	1105-001336	IC-DRAM;-,512K*32*4Bit,TSOP,86P,400MIL,6	
5 ICF02	1105-001336	IC-DRAM;-,512K*32*4Bit,TSOP,86P,400MIL,6	
5 ICV03	1109-001232	IC-FIFO;MS81V04160-25TB,2X256KX8BIT,TQFP	
5 ICD05	1201-001720	IC-VIDEO AMP;EL2386CS,SOP,16P,393MIL,TRI	
5 ICN04	1203-001211	IC-VOL. DETECTOR;7027,SOT-89,3P,-,PLASTI	
5 ICD03	1203-001293	IC-POSI.FIXED REG.;033,T0-252,3P,6.5MIL,	
5 ICC03	1203-001293	IC-POSI.FIXED REG.;033,T0-252,3P,6.5MIL,	
5 ICA02	1203-001293	IC-POSI.FIXED REG.;033,T0-252,3P,6.5MIL,	
5 ICS04	1203-001359	IC-POSI.FIXED REG.;1086,TO-263,3P,15.8MM	
5 ICS05	1203-002074	IC-POSI.FIXED REG.;MIC39150,TO-263,3P,-,	
5 ICN05	1203-002186	IC-POSI.FIXED REG.;18,DPAK,3P,240MIL,PLA	
5 ICC02	1203-002351	IC-POSI.FIXED REG.;LF25C,DPAK,3P,240MIL,	
5 ICW001	1204-001550	IC-VIDEO PROCESS;CXA2101AQ,QFP,80P,-,PLA	
5 ICW002	1204-001571	IC-DEF. PROCESSOR;CXA2102Q,QFP,48P,-,PLA	
5 ICH01	1204-001814	IC-SELECTOR;CXA2151Q,QFP,48P,144MIL,PLAS	
5 ICV02	1204-001926	IC-VIDEO PROCESS;VPC3230D-C5,PQFP,80P,-,	
5 ICV01	1204-001926	IC-VIDEO PROCESS;VPC3230D-C5,PQFP,80P,-,	
5 ICS01	1204-001990	IC-VIDEO PROCESS;ASI500,BGA,316P,27X27MM	
5 ICD01	1205-002198	IC-RECEIVER;SII169CT100,LQFP,100P,14X14M	
5 RH123	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	
5 RW212	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	
5 RW218	2007-000060	R-CHIP;100Kohm,1%,1/10W,TP,1608	
5 RS108	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
5 RS111	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
5 RS112	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
5 RS116	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
5 RS117	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
5 RS107	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
5 RH142	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
5 RH143	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
5 RH210	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
5 RH215	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
5 RH221	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
5 RS120	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
5 RV141	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
5 RV143	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
5 RV145	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
5 RV157	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
5 RW215	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
5 RV139	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
5 RS121	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
5 RT128	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
5 RT129	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
5 RT131	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
5 RT132	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
5 RD208	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
5 RD211	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
5 RF102	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
5 RF104	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
5 RF105	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
5 RD206	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
5 RA106	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
5 RD113	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
5 RD116	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
5 RD128	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
5 RD135	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
5 RF106	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
5 RF118	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
5 RF120	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
5 RF122	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
5 RF137	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
5 RH141	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
5 RF117	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
5 RF107	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
5 RF108	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
5 RF112	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
5 RF115	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
5 RF116	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
5 RV112	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	
5 RV116	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	
5 RV120	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	
5 RV132	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	
5 RV133	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	
5 RD118	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	
5 RD119	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	
5 RD120	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	
5 RD121	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	
5 RS106	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	
5 RV118	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	
5 RV119	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	
5 RV202	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	
5 RV117	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	
5 RF130	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	
5 RF131	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	
5 RH220	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	
5 RC161	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RC162	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RD101	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RD110	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RD112	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RD114	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RD115	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RD131	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RD132	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RD201	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RD229	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RD234	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RD235	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RD236	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RD237	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RF110	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RF111	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RF124	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RF125	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RF126	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RF127	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RF128	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RH102	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RH105	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RH124	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RH125	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RH126	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RH127	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RH128	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	

Loc. No.	Code No.	Description ; Specification	Remark
5 RH129	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RH130	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RH131	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RH132	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RH133	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RH134	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RH135	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RH136	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RH137	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RH138	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RH139	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RH140	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RH145	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RH146	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RH147	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RH201	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RH202	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RH203	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RH204	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RH205	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RH206	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RH207	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RH208	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RH209	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RH211	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RH212	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RH213	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RH214	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RH235	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RH236	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RH237	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RN101	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RN104	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RN105	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RN106	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RN107	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RN108	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RS102	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RS113	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RT101	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RT102	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RT103	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RT104	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RT105	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RT106	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RT112	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RT202	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RT204	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RT206	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RT208	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RT210	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RT212	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RT214	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RT216	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RT217	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RT218	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RV102	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RV104	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RV106	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RV107	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RV108	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RV110	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RV111	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RV113	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RV121	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RV122	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RV123	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RV128	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RV146	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RV147	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RV148	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RV158	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RV159	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RV160	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RV201	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RW115	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RW116	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	

Loc. No.	Code No.	Description ; Specification	Remark
5 RW119	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RW123	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RW124	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RW128	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RW129	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RW130	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RW132	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RW133	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RW134	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RW138	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RW139	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RW140	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RW150	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RW151	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RW152	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RW156	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RW203	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RW204	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RW205	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RW206	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RW207	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RW208	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RW209	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RW210	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RW219	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RW220	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RW224	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RW236	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RW226	2007-000075	R-CHIP;220ohm,5%,1/10W,TP,1608	
5 RW225	2007-000075	R-CHIP;220ohm,5%,1/10W,TP,1608	
5 RS103	2007-000075	R-CHIP;220ohm,5%,1/10W,TP,1608	
5 RW144	2007-000076	R-CHIP;330ohm,5%,1/10W,TP,1608	
5 RW109	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	
5 RA105	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
5 RD134	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
5 RD205	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
5 RD207	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
5 RD209	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
5 RD210	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
5 RD212	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
5 RD213	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
5 RD233	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
5 RF123	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
5 RF129	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
5 RH106	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
5 RS104	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
5 RS105	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
5 RS110	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
5 RT107	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
5 RT108	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
5 RT109	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
5 RW110	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
5 RW114	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
5 RW120	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
5 RW121	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
5 RW146	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
5 RW158	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
5 RW216	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
5 RW221	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
5 RW223	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
5 RW228	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
5 RW229	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
5 RW217	2007-000080	R-CHIP;2Kohm,5%,1/10W,TP,1608	
5 RW213	2007-000080	R-CHIP;2Kohm,5%,1/10W,TP,1608	
5 RV105	2007-000080	R-CHIP;2Kohm,5%,1/10W,TP,1608	
5 RV103	2007-000080	R-CHIP;2Kohm,5%,1/10W,TP,1608	
5 RH122	2007-000080	R-CHIP;2Kohm,5%,1/10W,TP,1608	
5 RT130	2007-000080	R-CHIP;2Kohm,5%,1/10W,TP,1608	
5 RV101	2007-000080	R-CHIP;2Kohm,5%,1/10W,TP,1608	
5 RW222	2007-000081	R-CHIP;2.7Kohm,5%,1/10W,TP,1608	
5 RN110	2007-000082	R-CHIP;3.3Kohm,5%,1/10W,TP,1608	
5 RN109	2007-000082	R-CHIP;3.3Kohm,5%,1/10W,TP,1608	
5 RH216	2007-000082	R-CHIP;3.3Kohm,5%,1/10W,TP,1608	
5 RD139	2007-000082	R-CHIP;3.3Kohm,5%,1/10W,TP,1608	
5 RD138	2007-000082	R-CHIP;3.3Kohm,5%,1/10W,TP,1608	
5 RW214	2007-000083	R-CHIP;3Kohm,5%,1/10W,TP,1608	
5 RD146	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	

Loc. No.	Code No.	Description ; Specification	Remark
5 RT201	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
5 RT203	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
5 RT205	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
5 RT207	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
5 RT209	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
5 RT211	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
5 RT213	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
5 RT215	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
5 RT219	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
5 RW112	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
5 RW141	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
5 RW201	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
5 RW202	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
5 RS118	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
5 RS115	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
5 RS114	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
5 RN102	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
5 RS119	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
5 RW111	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
5 RW117	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
5 RW118	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
5 RW211	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
5 RD111	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
5 RD136	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
5 RF101	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
5 RF103	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
5 RF113	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
5 RH222	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
5 RF121	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
5 RF119	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
5 RF114	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
5 RW159	2007-000093	R-CHIP;20Kohm,5%,1/10W,TP,1608	
5 RW147	2007-000093	R-CHIP;20Kohm,5%,1/10W,TP,1608	
5 RV137	2007-000094	R-CHIP;22Kohm,5%,1/10W,TP,1608	
5 RV136	2007-000094	R-CHIP;22Kohm,5%,1/10W,TP,1608	
5 RV127	2007-000094	R-CHIP;22Kohm,5%,1/10W,TP,1608	
5 RV124	2007-000094	R-CHIP;22Kohm,5%,1/10W,TP,1608	
5 RV125	2007-000094	R-CHIP;22Kohm,5%,1/10W,TP,1608	
5 RV126	2007-000094	R-CHIP;22Kohm,5%,1/10W,TP,1608	
5 RW230	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	
5 RW157	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	
5 RD231	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	
5 RD230	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	
5 RW231	2007-000100	R-CHIP;68Kohm,5%,1/10W,TP,1608	
5 RD221	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	
5 RD220	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	
5 RD218	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	
5 RD214	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	
5 RD215	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	
5 RD217	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	
5 RS109	2007-000109	R-CHIP;1Mohm,5%,1/10W,TP,1608	
5 RN103	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	
5 RW227	2007-000118	R-CHIP;390ohm,5%,1/10W,TP,1608	
5 RA104	2007-000119	R-CHIP;560ohm,5%,1/10W,TP,1608	
5 RW243	2007-000119	R-CHIP;560ohm,5%,1/10W,TP,1608	
5 RW155	2007-000120	R-CHIP;680ohm,5%,1/10W,TP,1608	
5 RW149	2007-000120	R-CHIP;680ohm,5%,1/10W,TP,1608	
5 RW154	2007-000211	R-CHIP;1.1Kohm,5%,1/10W,TP,1608	
5 RW153	2007-000211	R-CHIP;1.1Kohm,5%,1/10W,TP,1608	
5 RW137	2007-000211	R-CHIP;1.1Kohm,5%,1/10W,TP,1608	
5 RW126	2007-000211	R-CHIP;1.1Kohm,5%,1/10W,TP,1608	
5 RW127	2007-000211	R-CHIP;1.1Kohm,5%,1/10W,TP,1608	
5 RW136	2007-000211	R-CHIP;1.1Kohm,5%,1/10W,TP,1608	
5 RD108	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	
5 RD109	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	
5 RW125	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	
5 RW135	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	
5 RW148	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	
5 RD107	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	
5 RD102	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	
5 RD103	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	
5 RD104	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	
5 RD105	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	
5 RD106	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	
5 RW108	2007-000402	R-CHIP;150ohm,5%,1/10W,TP,1608	
5 RW107	2007-000402	R-CHIP;150ohm,5%,1/10W,TP,1608	
5 RW104	2007-000402	R-CHIP;150ohm,5%,1/10W,TP,1608	

Loc. No.	Code No.	Description ; Specification	Remark
5 RS101	2007-000402	R-CHIP;150ohm,5%,1/10W,TP,1608	
5 RF109	2007-000539	R-CHIP;200ohm,5%,1/10W,TP,1608	
5 RW122	2007-000583	R-CHIP;22Kohm,1%,1/10W,TP,1608	
5 RW131	2007-000691	R-CHIP;3.3Mohm,5%,1/10W,TP,1608	
5 RD117	2007-000821	R-CHIP;390ohm,1%,1/10W,TP,1608	
5 RW113	2007-000939	R-CHIP;47Kohm,1%,1/10W,TP,1608	
5 RD228	2007-001044	R-CHIP;56ohm,5%,1/10W,TP,1608	
5 RD227	2007-001044	R-CHIP;56ohm,5%,1/10W,TP,1608	
5 RD226	2007-001044	R-CHIP;56ohm,5%,1/10W,TP,1608	
5 RV134	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	
5 RV115	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	
5 RV114	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	
5 RV109	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	
5 RH239	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	
5 RH238	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	
5 RW106	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	
5 RW105	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	
5 RW103	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	
5 RW102	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	
5 RW101	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	
5 RV135	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	
5 RD204	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	
5 RD203	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	
5 RD202	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	
5 RA109	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	
5 RA108	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	
5 RA107	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	
5 RD225	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	
5 RD224	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	
5 RD223	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	
5 RD216	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	
5 RD219	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	
5 RD222	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	
5 RW232	2007-002425	R-CHIP;1ohm,5%,1/10W,TP,1608	
5 RV151	2011-000002	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,3216	
5 RV150	2011-000002	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,3216	
5 RV149	2011-000002	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,3216	
5 RD145	2011-000002	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,3216	
5 RD144	2011-000002	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,3216	
5 RV156	2011-000002	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,3216	
5 RV155	2011-000002	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,3216	
5 RV154	2011-000002	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,3216	
5 RV153	2011-000002	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,3216	
5 RV152	2011-000002	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,3216	
5 RD126	2011-000002	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,3216	
5 RD125	2011-000002	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,3216	
5 RD124	2011-000002	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,3216	
5 RD123	2011-000002	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,3216	
5 RD122	2011-000002	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,3216	
5 RD143	2011-000002	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,3216	
5 RD142	2011-000002	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,3216	
5 RD141	2011-000002	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,3216	
5 RD140	2011-000002	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,3216	
5 RD127	2011-000002	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,3216	
5 RS128	2011-000585	R-NET;47OHM,5%,1/16W,L,CHIP,8P,TP	
5 RS127	2011-000585	R-NET;47OHM,5%,1/16W,L,CHIP,8P,TP	
5 RS126	2011-000585	R-NET;47OHM,5%,1/16W,L,CHIP,8P,TP	
5 RS125	2011-000585	R-NET;47OHM,5%,1/16W,L,CHIP,8P,TP	
5 RV203	2011-000585	R-NET;47OHM,5%,1/16W,L,CHIP,8P,TP	
5 RV204	2011-000585	R-NET;47OHM,5%,1/16W,L,CHIP,8P,TP	
5 RV205	2011-000585	R-NET;47OHM,5%,1/16W,L,CHIP,8P,TP	
5 RV206	2011-000585	R-NET;47OHM,5%,1/16W,L,CHIP,8P,TP	
5 RF132	2011-000585	R-NET;47OHM,5%,1/16W,L,CHIP,8P,TP	
5 RF133	2011-000585	R-NET;47OHM,5%,1/16W,L,CHIP,8P,TP	
5 RF134	2011-000585	R-NET;47OHM,5%,1/16W,L,CHIP,8P,TP	
5 RF135	2011-000585	R-NET;47OHM,5%,1/16W,L,CHIP,8P,TP	
5 RS124	2011-000585	R-NET;47OHM,5%,1/16W,L,CHIP,8P,TP	
5 RS123	2011-000585	R-NET;47OHM,5%,1/16W,L,CHIP,8P,TP	
5 RS122	2011-000585	R-NET;47OHM,5%,1/16W,L,CHIP,8P,TP	
5 RF136	2011-000585	R-NET;47OHM,5%,1/16W,L,CHIP,8P,TP	
5 RH228	2011-001093	R-NET;100OHM,5%,1/16W,L,CHIP,8P,TP,3216	
5 RH231	2011-001093	R-NET;100OHM,5%,1/16W,L,CHIP,8P,TP,3216	
5 RH232	2011-001093	R-NET;100OHM,5%,1/16W,L,CHIP,8P,TP,3216	
5 RH227	2011-001093	R-NET;100OHM,5%,1/16W,L,CHIP,8P,TP,3216	
5 RH224	2011-001093	R-NET;100OHM,5%,1/16W,L,CHIP,8P,TP,3216	
5 RH223	2011-001093	R-NET;100OHM,5%,1/16W,L,CHIP,8P,TP,3216	
5 CS144	2203-000041	C-CER,CHIP;0.01NF,0.25PF,50V,C0G,TP,1608	

Loc. No.	Code No.	Description ; Specification	Remark
5 CS143	2203-000041	C-CER,CHIP;0.01NF,0.25PF,50V,C0G,TP,1608	
5 CV141	2203-000140	C-CER,CHIP;1.5nF,10%,50V,X7R,TP,1608,-	
5 CV146	2203-000140	C-CER,CHIP;1.5nF,10%,50V,X7R,TP,1608,-	
5 CV156	2203-000140	C-CER,CHIP;1.5nF,10%,50V,X7R,TP,1608,-	
5 CV160	2203-000140	C-CER,CHIP;1.5nF,10%,50V,X7R,TP,1608,-	
5 CV104	2203-000140	C-CER,CHIP;1.5nF,10%,50V,X7R,TP,1608,-	
5 CV108	2203-000140	C-CER,CHIP;1.5nF,10%,50V,X7R,TP,1608,-	
5 CV119	2203-000140	C-CER,CHIP;1.5nF,10%,50V,X7R,TP,1608,-	
5 CV123	2203-000140	C-CER,CHIP;1.5nF,10%,50V,X7R,TP,1608,-	
5 CS123	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CS120	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CS119	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CS124	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CS126	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CS127	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CS111	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CS112	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CS114	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CS115	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CS116	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CS118	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CS131	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CS148	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CS149	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CS150	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CS158	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CS159	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CS160	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CS135	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CS137	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CS139	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CS141	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CS146	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CS147	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CS109	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CN135	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CN136	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CN137	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CN138	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CN139	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CN140	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CN129	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CN130	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CN131	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CN132	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CN133	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CN134	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CN141	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CN149	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CN151	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CN153	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CS101	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CS102	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CS103	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CN142	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CN143	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CN144	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CN145	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CN146	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CN147	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CS161	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CV216	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CW102	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CW112	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CW114	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CW115	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CW117	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CV210	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CV211	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CV212	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CV213	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CV214	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CV215	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CW118	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CW140	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CW141	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CW142	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CW145	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CW208	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CW222	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CW120	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CW122	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CW125	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CW126	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CW138	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CW139	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CV209	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CV111	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CV112	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CV113	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CV114	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CV143	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CV144	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CS162	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CT125	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CV102	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CV106	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CV107	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CV110	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CV147	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CV202	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CV203	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CV204	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CV206	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CV207	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CV208	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CV148	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CV149	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CV150	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CV151	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CV176	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CV201	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CF126	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CF127	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CF129	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CF130	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CF131	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CF132	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CF119	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CF120	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CF121	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CF123	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CF124	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CF125	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CF133	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CH113	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CH115	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CH127	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CH201	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CH202	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CH203	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CF134	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CF135	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CF136	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CH105	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CH107	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CH110	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CF118	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CA111	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CA114	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CC137	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CC140	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CC141	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CC150	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CA102	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CA104	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CA106	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CA107	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CA109	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CA110	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CD122	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CF105	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CF106	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CF107	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	

Loc. No.	Code No.	Description ; Specification	Remark
5 CF108	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CF109	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CF113	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CD125	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CD126	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CD207	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CD212	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CF102	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CF104	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CH204	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CN108	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CN109	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CN110	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CN111	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CN112	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CN114	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CN101	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CN102	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CN103	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CN104	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CN105	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CN107	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CN116	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CN123	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CN124	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CN125	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CN126	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CN127	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CN128	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CN117	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CN118	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CN119	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CN120	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CN121	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CN122	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CH242	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CH215	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CH216	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CH219	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CH221	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CH223	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CH224	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CH205	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CH206	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CH208	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CH209	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CH211	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CH212	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CH225	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CH233	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CH234	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CH235	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CH236	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CH237	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CH241	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CH226	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CH227	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CH229	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CH232	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CH231	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CH230	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 CV127	2203-000236	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1608	
5 CS168	2203-000236	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1608	
5 CS167	2203-000236	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1608	
5 CS156	2203-000236	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1608	
5 CS155	2203-000236	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1608	
5 CV129	2203-000236	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1608	
5 CW146	2203-000236	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1608	
5 CW111	2203-000236	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1608	
5 CV186	2203-000236	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1608	
5 CV165	2203-000236	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1608	
5 CV132	2203-000236	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1608	
5 CD108	2203-000236	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1608	
5 CD105	2203-000236	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1608	
5 CD104	2203-000236	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1608	
5 CD103	2203-000236	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1608	
5 CD102	2203-000236	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1608	

Loc. No.	Code No.	Description ; Specification	Remark
5 CD114	2203-000236	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1608	
5 CH111	2203-000236	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1608	
5 CD120	2203-000236	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1608	
5 CD119	2203-000236	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1608	
5 CD116	2203-000236	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1608	
5 CD115	2203-000236	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1608	
5 CW123	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
5 CW124	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
5 CW132	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
5 CW121	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
5 CW101	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
5 CS164	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
5 CS163	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
5 CW133	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
5 CW215	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
5 CW205	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
5 CW201	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
5 CW137	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
5 CW136	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
5 CW135	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
5 CW134	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
5 CF110	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
5 CD117	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
5 CD111	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
5 CD106	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
5 CA113	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
5 CA112	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
5 CA108	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
5 CF111	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
5 CS152	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
5 CS151	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
5 CH108	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
5 CF116	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
5 CF112	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
5 CF114	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
5 CF115	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
5 CD113	2203-000384	C-CER,CHIP;0.015NF,5%,50V,C0G,TP,1608	
5 CD112	2203-000384	C-CER,CHIP;0.015NF,5%,50V,C0G,TP,1608	
5 CD110	2203-000384	C-CER,CHIP;0.015NF,5%,50V,C0G,TP,1608	
5 CD109	2203-000384	C-CER,CHIP;0.015NF,5%,50V,C0G,TP,1608	
5 CS166	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,TP,1608,-	
5 CS169	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,TP,1608,-	
5 CS170	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,TP,1608,-	
5 CS165	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,TP,1608,-	
5 CS154	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,TP,1608,-	
5 CS153	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,TP,1608,-	
5 CS171	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,TP,1608,-	
5 CW218	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,TP,1608,-	
5 CW213	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,TP,1608,-	
5 CW212	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,TP,1608,-	
5 CW211	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,TP,1608,-	
5 CV164	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,TP,1608,-	
5 CV128	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,TP,1608,-	
5 CS142	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,TP,1608,-	
5 CS121	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,TP,1608,-	
5 CS117	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,TP,1608,-	
5 CS113	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,TP,1608,-	
5 CS110	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,TP,1608,-	
5 CH217	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,TP,1608,-	
5 CH213	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,TP,1608,-	
5 CS125	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,TP,1608,-	
5 CS140	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,TP,1608,-	
5 CS138	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,TP,1608,-	
5 CS136	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,TP,1608,-	
5 CS133	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,TP,1608,-	
5 CS129	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,TP,1608,-	
5 CS128	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,TP,1608,-	
5 CV170	2203-000681	C-CER,CHIP;0.027NF,5%,50V,C0G,TP,1608	
5 CW214	2203-000715	C-CER,CHIP;3.3nF,10%,50V,X7R,TP,1608,-	
5 CH239	2203-000726	C-CER,CHIP;3.9nF,10%,50V,X7R,TP,1608,-	
5 CV161	2203-000838	C-CER,CHIP;0.39NF,5%,50V,C0G,TP,1608	
5 CV157	2203-000838	C-CER,CHIP;0.39NF,5%,50V,C0G,TP,1608	
5 CV142	2203-000838	C-CER,CHIP;0.39NF,5%,50V,C0G,TP,1608	
5 CV124	2203-000838	C-CER,CHIP;0.39NF,5%,50V,C0G,TP,1608	
5 CV120	2203-000838	C-CER,CHIP;0.39NF,5%,50V,C0G,TP,1608	
5 CV105	2203-000838	C-CER,CHIP;0.39NF,5%,50V,C0G,TP,1608	
5 CH244	2203-000838	C-CER,CHIP;0.39NF,5%,50V,C0G,TP,1608	

Loc. No.	Code No.	Description ; Specification	Remark
5 CH238	2203-000843	C-CER,CHIP;39nF,10%,25V,X7R,TP,1608,-	
5 CV109	2203-000975	C-CER,CHIP;47nF,10%,25V,X7R,TP,1608,-	
5 CV126	2203-000975	C-CER,CHIP;47nF,10%,25V,X7R,TP,1608,-	
5 CV136	2203-000975	C-CER,CHIP;47nF,10%,25V,X7R,TP,1608,-	
5 CV145	2203-000975	C-CER,CHIP;47nF,10%,25V,X7R,TP,1608,-	
5 CV163	2203-000975	C-CER,CHIP;47nF,10%,25V,X7R,TP,1608,-	
5 CV172	2203-000975	C-CER,CHIP;47nF,10%,25V,X7R,TP,1608,-	
5 CH207	2203-000975	C-CER,CHIP;47nF,10%,25V,X7R,TP,1608,-	
5 CH210	2203-000975	C-CER,CHIP;47nF,10%,25V,X7R,TP,1608,-	
5 CH214	2203-000975	C-CER,CHIP;47nF,10%,25V,X7R,TP,1608,-	
5 CH218	2203-000975	C-CER,CHIP;47nF,10%,25V,X7R,TP,1608,-	
5 CH220	2203-000975	C-CER,CHIP;47nF,10%,25V,X7R,TP,1608,-	
5 CH222	2203-000975	C-CER,CHIP;47nF,10%,25V,X7R,TP,1608,-	
5 CW103	2203-001083	C-CER,CHIP;0.005nF,0.1pF,50V,NP0,TP,1608	
5 CT107	2203-001155	C-CER,CHIP;0.068nF,5%,50V,NP0,TP,1608	
5 CT106	2203-001155	C-CER,CHIP;0.068nF,5%,50V,NP0,TP,1608	
5 CT105	2203-001155	C-CER,CHIP;0.068nF,5%,50V,NP0,TP,1608	
5 CT102	2203-001155	C-CER,CHIP;0.068nF,5%,50V,NP0,TP,1608	
5 CT103	2203-001155	C-CER,CHIP;0.068nF,5%,50V,NP0,TP,1608	
5 CT104	2203-001155	C-CER,CHIP;0.068nF,5%,50V,NP0,TP,1608	
5 CV140	2203-001603	C-CER,CHIP;220nF,10%,16V,X7R,TP,2012	
5 CV155	2203-001603	C-CER,CHIP;220nF,10%,16V,X7R,TP,2012	
5 CV159	2203-001603	C-CER,CHIP;220nF,10%,16V,X7R,TP,2012	
5 CV177	2203-001603	C-CER,CHIP;220nF,10%,16V,X7R,TP,2012	
5 CV178	2203-001603	C-CER,CHIP;220nF,10%,16V,X7R,TP,2012	
5 CV179	2203-001603	C-CER,CHIP;220nF,10%,16V,X7R,TP,2012	
5 CV103	2203-001603	C-CER,CHIP;220nF,10%,16V,X7R,TP,2012	
5 CV118	2203-001603	C-CER,CHIP;220nF,10%,16V,X7R,TP,2012	
5 CV122	2203-001603	C-CER,CHIP;220nF,10%,16V,X7R,TP,2012	
5 CV139	2203-001603	C-CER,CHIP;220nF,10%,16V,X7R,TP,2012	
5 CV138	2203-001603	C-CER,CHIP;220nF,10%,16V,X7R,TP,2012	
5 CV137	2203-001603	C-CER,CHIP;220nF,10%,16V,X7R,TP,2012	
5 CV153	2203-001646	C-CER,CHIP;0.003NF,0.5PF,50V,NPO,TP,2012	
5 CV152	2203-001646	C-CER,CHIP;0.003NF,0.5PF,50V,NPO,TP,2012	
5 CV116	2203-001646	C-CER,CHIP;0.003NF,0.5PF,50V,NPO,TP,2012	
5 CV115	2203-001646	C-CER,CHIP;0.003NF,0.5PF,50V,NPO,TP,2012	
5 CH248	2203-002494	C-CER,CHIP;470nF,10%,16V,X7R,TP,2012	
5 CH249	2203-002494	C-CER,CHIP;470nF,10%,16V,X7R,TP,2012	
5 CW106	2203-002494	C-CER,CHIP;470nF,10%,16V,X7R,TP,2012	
5 CH247	2203-002494	C-CER,CHIP;470nF,10%,16V,X7R,TP,2012	
5 CH246	2203-002494	C-CER,CHIP;470nF,10%,16V,X7R,TP,2012	
5 CH245	2203-002494	C-CER,CHIP;470nF,10%,16V,X7R,TP,2012	
5 CW107	2203-002494	C-CER,CHIP;470nF,10%,16V,X7R,TP,2012	
5 CW131	2203-002494	C-CER,CHIP;470nF,10%,16V,X7R,TP,2012	
5 CW128	2203-002494	C-CER,CHIP;470nF,10%,16V,X7R,TP,2012	
5 CW127	2203-002494	C-CER,CHIP;470nF,10%,16V,X7R,TP,2012	
5 CW110	2203-002494	C-CER,CHIP;470nF,10%,16V,X7R,TP,2012	
5 CW109	2203-002494	C-CER,CHIP;470nF,10%,16V,X7R,TP,2012	
5 CW108	2203-002494	C-CER,CHIP;470nF,10%,16V,X7R,TP,2012	
5 CH118	2203-002494	C-CER,CHIP;470nF,10%,16V,X7R,TP,2012	
5 CH117	2203-002494	C-CER,CHIP;470nF,10%,16V,X7R,TP,2012	
5 CH116	2203-002494	C-CER,CHIP;470nF,10%,16V,X7R,TP,2012	
5 CD211	2203-002494	C-CER,CHIP;470nF,10%,16V,X7R,TP,2012	
5 CD210	2203-002494	C-CER,CHIP;470nF,10%,16V,X7R,TP,2012	
5 CD209	2203-002494	C-CER,CHIP;470nF,10%,16V,X7R,TP,2012	
5 CH119	2203-002494	C-CER,CHIP;470nF,10%,16V,X7R,TP,2012	
5 CH125	2203-002494	C-CER,CHIP;470nF,10%,16V,X7R,TP,2012	
5 CH124	2203-002494	C-CER,CHIP;470nF,10%,16V,X7R,TP,2012	
5 CH123	2203-002494	C-CER,CHIP;470nF,10%,16V,X7R,TP,2012	
5 CH120	2203-002494	C-CER,CHIP;470nF,10%,16V,X7R,TP,2012	
5 CH121	2203-002494	C-CER,CHIP;470nF,10%,16V,X7R,TP,2012	
5 CH122	2203-002494	C-CER,CHIP;470nF,10%,16V,X7R,TP,2012	
5 CV166	2203-005590	C-CER,CHIP;330NF,10%,16V,X7R,TP,2012	
5 CV167	2203-005590	C-CER,CHIP;330NF,10%,16V,X7R,TP,2012	
5 CV168	2203-005590	C-CER,CHIP;330NF,10%,16V,X7R,TP,2012	
5 CV169	2203-005590	C-CER,CHIP;330NF,10%,16V,X7R,TP,2012	
5 CV130	2203-005590	C-CER,CHIP;330NF,10%,16V,X7R,TP,2012	
5 CV131	2203-005590	C-CER,CHIP;330NF,10%,16V,X7R,TP,2012	
5 CV133	2203-005590	C-CER,CHIP;330NF,10%,16V,X7R,TP,2012	
5 CV134	2203-005590	C-CER,CHIP;330NF,10%,16V,X7R,TP,2012	
5 CH109	2203-005809	C-CER,CHIP;1000nF,10%,16V,X7R,TP,2012(T1	
5 CW129	2402-000108	C-AL,SMD;10uF,20%,16V,WT,TP,4.3x4.3x5.4	
5 CW130	2402-000108	C-AL,SMD;10uF,20%,16V,WT,TP,4.3x4.3x5.4	
5 CV185	2402-000135	C-AL,SMD;22uF,20%,16V,GP,TP,5.3x5.3x5.4	
5 CV184	2402-000135	C-AL,SMD;22uF,20%,16V,GP,TP,5.3x5.3x5.4	
5 CV183	2402-000135	C-AL,SMD;22uF,20%,16V,GP,TP,5.3x5.3x5.4	
5 CD203	2402-000165	C-AL,SMD;47uF,20%,6.3V,GP,TP,5.3x5.3x5.	
5 CF117	2402-000165	C-AL,SMD;47uF,20%,6.3V,GP,TP,5.3x5.3x5.	
5 CF128	2402-000165	C-AL,SMD;47uF,20%,6.3V,GP,TP,5.3x5.3x5.	
5 CH104	2402-000165	C-AL,SMD;47uF,20%,6.3V,GP,TP,5.3x5.3x5.	
5 CH129	2402-000165	C-AL,SMD;47uF,20%,6.3V,GP,TP,5.3x5.3x5.	
5 CV175	2402-000165	C-AL,SMD;47uF,20%,6.3V,GP,TP,5.3x5.3x5.	
5 CC138	2402-000165	C-AL,SMD;47uF,20%,6.3V,GP,TP,5.3x5.3x5.	
5 CC139	2402-000165	C-AL,SMD;47uF,20%,6.3V,GP,TP,5.3x5.3x5.	
5 CC142	2402-000165	C-AL,SMD;47uF,20%,6.3V,GP,TP,5.3x5.3x5.	
5 CD202	2402-000165	C-AL,SMD;47uF,20%,6.3V,GP,TP,5.3x5.3x5.	
5 CD201	2402-000165	C-AL,SMD;47uF,20%,6.3V,GP,TP,5.3x5.3x5.	
5 CD124	2402-000165	C-AL,SMD;47uF,20%,6.3V,GP,TP,5.3x5.3x5.	
5 CV135	2402-000176	C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4	
5 CV125	2402-000176	C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4	
5 CV101	2402-000176	C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4	
5 CT124	2402-000176	C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4	
5 CV154	2402-000176	C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4	
5 CV158	2402-000176	C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4	
5 CV162	2402-000176	C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4	
5 CV171	2402-000176	C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4	
5 CD213	2402-000176	C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4	
5 CC136	2402-000176	C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4	
5 CD118	2402-000176	C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4	
5 CD121	2402-000176	C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4	
5 CD123	2402-000176	C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4	
5 CD208	2402-000176	C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4	
5 CD206	2402-000176	C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4	
5 CD205	2402-000176	C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4	
5 CD204	2402-000176	C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4	
5 CS105	2402-000179	C-AL,SMD;47uF,20%,16V,GP,TP,6.6x6.6x5.4	
5 CS104	2402-000179	C-AL,SMD;47uF,20%,16V,GP,TP,6.6x6.6x5.4	
5 CW204	2402-001006	C-AL,SMD;4.7uF,20%,25V,GP,TP,3.6x6.3x3.	
5 CW202	2402-001006	C-AL,SMD;4.7uF,20%,25V,GP,TP,3.6x6.3x3.	
5 CW207	2402-001019	C-AL,SMD;2.2uF,20%,35V,GP,TP,3.3x3.3x5.	
5 CS106	2402-001042	C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4	
5 CN152	2402-001042	C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4	
5 CA103	2402-001042	C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4	
5 CA101	2402-001042	C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4	
5 CV121	2402-001049	C-AL,CHIP;10uF,20%,16V,GP,TP,3.3x3.3x5.4	
5 CV117	2402-001049	C-AL,CHIP;10uF,20%,16V,GP,TP,3.3x3.3x5.4	
5 CN106	2402-001049	C-AL,CHIP;10uF,20%,16V,GP,TP,3.3x3.3x5.4	
5 CH114	2402-001059	C-AL,SMD;220UF,20%,6.3V,-,TP,6X6.6X6.6	
5 CN113	2402-001059	C-AL,SMD;220UF,20%,6.3V,-,TP,6X6.6X6.6	
5 CN148	2402-001059	C-AL,SMD;220UF,20%,6.3V,-,TP,6X6.6X6.6	
5 CN150	2402-001059	C-AL,SMD;220UF,20%,6.3V,-,TP,6X6.6X6.6	
5 CD101	2402-001059	C-AL,SMD;220UF,20%,6.3V,-,TP,6X6.6X6.6	
5 CD127	2402-001059	C-AL,SMD;220UF,20%,6.3V,-,TP,6X6.6X6.6	
5 CH106	2402-001059	C-AL,SMD;220UF,20%,6.3V,-,TP,6X6.6X6.6	
5 CH112	2402-001059	C-AL,SMD;220UF,20%,6.3V,-,TP,6X6.6X6.6	
5 CW143	2402-001070	C-AL,SMD;470uF,20%,16V,GP,TP,10x10.2,-	
5 CT101	2402-001070	C-AL,SMD;470uF,20%,16V,GP,TP,10x10.2,-	
5 CN115	2402-001070	C-AL,SMD;470uF,20%,16V,GP,TP,10x10.2,-	
5 CA105	2402-001070	C-AL,SMD;470uF,20%,16V,GP,TP,10x10.2,-	
5 CW144	2402-001155	C-AL,SMD;47UF,20%,16V,WT,TP,6.3X5.2MM	
5 CW203	2402-001155	C-AL,SMD;47UF,20%,16V,WT,TP,6.3X5.2MM	
5 CW216	2402-001155	C-AL,SMD;47UF,20%,16V,WT,TP,6.3X5.2MM	
5 CW217	2402-001155	C-AL,SMD;47UF,20%,16V,WT,TP,6.3X5.2MM	
5 CW104	2402-001155	C-AL,SMD;47UF,20%,16V,WT,TP,6.3X5.2MM	
5 CW113	2402-001155	C-AL,SMD;47UF,20%,16V,WT,TP,6.3X5.2MM	
5 CW116	2402-001155	C-AL,SMD;47UF,20%,16V,WT,TP,6.3X5.2MM	
5 CW119	2402-001155	C-AL,SMD;47UF,20%,16V,WT,TP,6.3X5.2MM	
5 CW105	2402-001158	C-AL,SMD;1UF,20%,50V,WT,TP,4X5.2MM	
5 CV205	2409-001049	C-ORGANIC;47UF,20%,6.3V,FX,TP,5X5.9MM,-	
5 CS157	2409-001049	C-ORGANIC;47UF,20%,6.3V,FX,TP,5X5.9MM,-	
5 CS145	2409-001049	C-ORGANIC;47UF,20%,6.3V,FX,TP,5X5.9MM,-	
5 CF103	2409-001049	C-ORGANIC;47UF,20%,6.3V,FX,TP,5X5.9MM,-	
5 CH240	2409-001049	C-ORGANIC;47UF,20%,6.3V,FX,TP,5X5.9MM,-	
5 CH243	2409-001049	C-ORGANIC;47UF,20%,6.3V,FX,TP,5X5.9MM,-	
5 CS108	2409-001051	C-ORGANIC;82UF,20%,6.3V,WT,TP,6.3*5.9MM,	
5 CS107	2409-001051	C-ORGANIC;82UF,20%,6.3V,WT,TP,6.3*5.9MM,	
5 CH228	2409-001051	C-ORGANIC;82UF,20%,6.3V,WT,TP,6.3*5.9MM,	
5 CF101	2409-001051	C-ORGANIC;82UF,20%,6.3V,WT,TP,6.3*5.9MM,	
5 LV104	2703-000398	INDUCTOR-SMD;10uH,10%,3225	
5 LW101	2703-000398	INDUCTOR-SMD;10uH,10%,3225	
5 LW102	2703-000398	INDUCTOR-SMD;10uH,10%,3225	
5 LW104	2703-000398	INDUCTOR-SMD;10uH,10%,3225	
5 LW201	2703-000398	INDUCTOR-SMD;10uH,10%,3225	
5 LV103	2703-000398	INDUCTOR-SMD;10uH,10%,3225	

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5 LC107	2703-000398	INDUCTOR-SMD;10uH,10%,3225	
5 LN101	2703-000398	INDUCTOR-SMD;10uH,10%,3225	
5 LN102	2703-000398	INDUCTOR-SMD;10uH,10%,3225	
5 LV101	2703-000398	INDUCTOR-SMD;10uH,10%,3225	
5 LV102	2703-000398	INDUCTOR-SMD;10uH,10%,3225	
5 LN104	2703-001070	INDUCTOR-SMD;100uH,10%,4532	
5 LN103	2703-001070	INDUCTOR-SMD;100uH,10%,4532	
5 LH101	2703-001070	INDUCTOR-SMD;100uH,10%,4532	
5 LA101	2703-001070	INDUCTOR-SMD;100uH,10%,4532	
5 LD103	2703-001778	INDUCTOR-SMD;3.3uH,20%,3225	
5 LD102	2703-001778	INDUCTOR-SMD;3.3uH,20%,3225	
5 XH101	2801-001473	CRYSTAL-SMD;4MHz,50ppm,28-AAN,18pF,150oh	
5 XS101	2801-003667	CRYSTAL-SMD;14.31818MHz,30ppm,28-AAN,16,	
5 XV101	2801-004004	CRYSTAL-SMD;20.25MHz,20ppm,28-AAN,13pF,2	
5 XV102	2801-004004	CRYSTAL-SMD;20.25MHz,20ppm,28-AAN,13pF,2	
5 LH103	3301-001186	BEAD-SMD;600ohm,3216,2500mA,TP,553ohm/93	
5 LS101	3301-001186	BEAD-SMD;600ohm,3216,2500mA,TP,553ohm/93	
5 LT102	3301-001186	BEAD-SMD;600ohm,3216,2500mA,TP,553ohm/93	
5 LW103	3301-001186	BEAD-SMD;600ohm,3216,2500mA,TP,553ohm/93	
5 LD107	3301-001186	BEAD-SMD;600ohm,3216,2500mA,TP,553ohm/93	
5 LC108	3301-001186	BEAD-SMD;600ohm,3216,2500mA,TP,553ohm/93	
5 LC109	3301-001186	BEAD-SMD;600ohm,3216,2500mA,TP,553ohm/93	
5 LD101	3301-001186	BEAD-SMD;600ohm,3216,2500mA,TP,553ohm/93	
5 LD106	3301-001186	BEAD-SMD;600ohm,3216,2500mA,TP,553ohm/93	
5 LS103	3301-001404	BEAD-SMD;30ohm,2012,5000mA,TP,,,0.01ohm	
5 LS102	3301-001404	BEAD-SMD;30ohm,2012,5000mA,TP,,,0.01ohm	
5 LH203	3301-001404	BEAD-SMD;30ohm,2012,5000mA,TP,,,0.01ohm	
5 LS104	3301-001404	BEAD-SMD;30ohm,2012,5000mA,TP,,,0.01ohm	
5 LS105	3301-001404	BEAD-SMD;30ohm,2012,5000mA,TP,,,0.01ohm	
5 LV105	3301-001404	BEAD-SMD;30ohm,2012,5000mA,TP,,,0.01ohm	
5 LH202	3301-001404	BEAD-SMD;30ohm,2012,5000mA,TP,,,0.01ohm	
5 LD104	3301-001404	BEAD-SMD;30ohm,2012,5000mA,TP,,,0.01ohm	
5 LD105	3301-001404	BEAD-SMD;30ohm,2012,5000mA,TP,,,0.01ohm	
5 LF101	3301-001404	BEAD-SMD;30ohm,2012,5000mA,TP,,,0.01ohm	
5 LF102	3301-001404	BEAD-SMD;30ohm,2012,5000mA,TP,,,0.01ohm	
5 LF103	3301-001404	BEAD-SMD;30ohm,2012,5000mA,TP,,,0.01ohm	
5 LH201	3301-001404	BEAD-SMD;30ohm,2012,5000mA,TP,,,0.01ohm	
5 OO	AA41-00970B	PCB-SCALER;SP47Q7HRX,6L,1.6T,240x170,J57	S.N.A
3 T0104	BP95-00431A	ASSY SUB PCB-MICOM;SP47Q7HRX/XSA,J57A	
4	0202-001366	SOLDER-WIRE FLUX;-,RS60S,D1.2,63Sn/37Pb,	S.N.A
4 IC902	1102-001126	IC-EPROM;M27V160,2MX8BIT,DIP,42P,570MIL,	
4 IC904	1203-000188	IC-POSI.ADJUST REG.;7033P,TO-92,3P,-,PLA	
4 L902	2702-000112	INDUCTOR-RADIAL;10uH,5%,6.0x6.4mm	
4 L904	2702-000112	INDUCTOR-RADIAL;10uH,5%,6.0x6.4mm	
4 L906	2702-000112	INDUCTOR-RADIAL;10uH,5%,6.0x6.4mm	
4 X901	2801-000724	CRYSTAL-UNIT;6MHz,50ppm,28-AAM,20pF,40oh	
4 CN901	3703-001175	CONNECTOR-BACK PANEL;64P,2R,MALE,ANGLE,A	
4	BP97-00635A	ASSY SMD;SP47Q7HRX/XTT,J57A	S.N.A
5	0202-001376	SOLDER-CREAM;RX3603-2330HO,S45A,PASTE,Sn	S.N.A
5 D905	0401-000133	DIODE-SWITCHING;RLS4148,75V,150MA,LL-34,	
5 D904	0401-000133	DIODE-SWITCHING;RLS4148,75V,150MA,LL-34,	
5 D903	0401-000133	DIODE-SWITCHING;RLS4148,75V,150MA,LL-34,	
5 D901	0401-000133	DIODE-SWITCHING;RLS4148,75V,150MA,LL-34,	
5 DZ902	0403-000620	DIODE-ZENER;RLZ5.6B,5.45-5.73V,500MW,LL-	
5 DZ901	0403-001016	DIODE-ZENER;RLZ6.2B,5.96-6.27V,500MW,LL-	
5 Q903	0501-000727	TR-SMALL SIGNAL;BC848C,NPN,310mW,SOT-23,	
5 Q904	0501-002080	TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59	
5 Q902	0505-000110	FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0.	
5 Q901	0505-000110	FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0.	
5 IC909	0505-000110	FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0.	
5 IC908	0505-000110	FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0.	
5 IC907	0904-001031	IC-I/O SUPPORT CHIP;8574,8BIT,S0P,16P,-,	
5 IC903	1105-001305	IC-DRAM;4S641632,1MX16X4BIT,TSOP,54P,400	
5 IC906	1203-002470	IC-POSI.ADJUST REG.;FAN1616AS25X,SOT-223	
5 IC905	1203-002739	IC-POSI.FIXED REG.;LF33CDT,DPAK,3P,6.5X6	
5 IC901	1204-002105	IC-DECODER;SDA6001-B12,MQFP,128P,28x28mm	
5 RM22	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
5 RM44	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
5 R949	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
5 RM16	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
5 RM21	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
5 RM91	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	
5 RM92	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	
5 RM93	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	
5 RM94	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	
5 RM13	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	
5 R925	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	

Loc. No.	Code No.	Description ; Specification	Remark
5 R926	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	
5 R964	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	
5 R972	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	
5 R994	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 R995	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RM11	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 R992	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 R988	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 R985	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RM98	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RM97	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RM27	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RM15	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RM14	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 RM12	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 R984	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 R946	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 R945	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 R944	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 R929	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 R928	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 R920	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 R982	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 R980	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 R979	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 R977	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 R955	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 R947	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 R952	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	
5 R951	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	
5 RM96	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
5 RM95	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
5 R927	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
5 R916	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
5 R915	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
5 R914	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
5 R908	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
5 RM17	2007-000081	R-CHIP;2.7Kohm,5%,1/10W,TP,1608	
5 R958	2007-000081	R-CHIP;2.7Kohm,5%,1/10W,TP,1608	
5 R957	2007-000081	R-CHIP;2.7Kohm,5%,1/10W,TP,1608	
5 RM33	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
5 RM32	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
5 RM31	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
5 RM30	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
5 RM24	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
5 RM23	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
5 R998	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
5 RM34	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
5 RM41	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
5 RM40	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
5 RM39	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
5 RM38	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
5 RM37	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
5 RM36	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
5 RM35	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
5 R997	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
5 R965	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
5 R962	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
5 R933	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
5 R932	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
5 R917	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
5 R906	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
5 R905	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
5 R969	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
5 R991	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
5 R989	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
5 R987	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
5 R986	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
5 R970	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
5 R981	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
5 R983	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
5 RM48	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
5 R941	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
5 R942	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
5 R961	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
5 R999	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
5 R907	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	

Loc. No.	Code No.	Description ; Specification	Remark
5 R909	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
5 R930	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
5 R936	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
5 RM18	2007-000123	R-CHIP;1.5Kohm,5%,1/10W,TP,1608	
5 R954	2007-000123	R-CHIP;1.5Kohm,5%,1/10W,TP,1608	
5 R953	2007-000123	R-CHIP;1.5Kohm,5%,1/10W,TP,1608	
5 RM20	2007-000124	R-CHIP;2.2Kohm,5%,1/10W,TP,1608	
5 RM19	2007-000124	R-CHIP;2.2Kohm,5%,1/10W,TP,1608	
5 R931	2007-000124	R-CHIP;2.2Kohm,5%,1/10W,TP,1608	
5 R904	2007-000124	R-CHIP;2.2Kohm,5%,1/10W,TP,1608	
5 R903	2007-000124	R-CHIP;2.2Kohm,5%,1/10W,TP,1608	
5 R963	2007-000126	R-CHIP;4.3Kohm,5%,1/10W,TP,1608	
5 R902	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	
5 R901	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	
5 RM45	2007-000857	R-CHIP;4.3Kohm,1%,1/10W,TP,1608	
5 RM46	2007-001002	R-CHIP;510ohm,5%,1/10W,TP,1608	
5 R950	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	
5 C939	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
5 C938	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
5 C937	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
5 C941	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
5 C942	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
5 C944	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
5 C946	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
5 C911	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
5 C913	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
5 C915	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
5 C917	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
5 C936	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
5 C934	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
5 C933	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
5 C924	2203-000405	C-CER,CHIP;0.18NF,5%,50V,C0G,TP,1608	
5 C904	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,TP,1608,-	
5 C920	2203-000815	C-CER,CHIP;0.033NF,5%,50V,C0G,TP,1608	
5 C919	2203-000815	C-CER,CHIP;0.033NF,5%,50V,C0G,TP,1608	
5 C948	2203-001607	C-CER,CHIP;0.22nF,5%,50V,NP0,-,1608	
5 C935	2402-000179	C-AL,SMD;47uF,20%,16V,GP,TP,6.6x6.6x5.4	
5 C940	2402-000179	C-AL,SMD;47uF,20%,16V,GP,TP,6.6x6.6x5.4	
5 C943	2402-000179	C-AL,SMD;47uF,20%,16V,GP,TP,6.6x6.6x5.4	
5 C945	2402-000179	C-AL,SMD;47uF,20%,16V,GP,TP,6.6x6.6x5.4	
5 C910	2402-000179	C-AL,SMD;47uF,20%,16V,GP,TP,6.6x6.6x5.4	
5 C912	2402-000179	C-AL,SMD;47uF,20%,16V,GP,TP,6.6x6.6x5.4	
5 C914	2402-000179	C-AL,SMD;47uF,20%,16V,GP,TP,6.6x6.6x5.4	
5 C916	2402-000179	C-AL,SMD;47uF,20%,16V,GP,TP,6.6x6.6x5.4	
5 L907	2703-000398	INDUCTOR-SMD;10uH,10%,3225	
5 L905	2703-000398	INDUCTOR-SMD;10uH,10%,3225	
5 L903	2703-000398	INDUCTOR-SMD;10uH,10%,3225	
5 0	BP41-00035A	PCB-MICOM;Micom,FR-4,4,A,190*235, 95*100	S.N.A
5 C921	2203-000575	C-CER,CHIP;220NF,10%,25V,X7R,TP,2012	
5 C922	2203-000575	C-CER,CHIP;220NF,10%,25V,X7R,TP,2012	
5 C923	2203-000575	C-CER,CHIP;220NF,10%,25V,X7R,TP,2012	
5 C926	2203-000575	C-CER,CHIP;220NF,10%,25V,X7R,TP,2012	
5 C901	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 C902	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 C905	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 C908	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 C918	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 C925	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 C927	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 C928	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 C929	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 C930	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 C931	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 C932	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 C947	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 C951	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 C952	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 C955	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 C953	2203-002494	C-CER,CHIP;470nF,10%,16V,X7R,TP,2012	
5 C909	2402-001042	C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4	
5 C954	2402-001042	C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4	
⚠ 3 IC808	BP96-00020G	ASSY HEAT SINK P;AA62-00045B,TAPTITE,SI-	S.N.A
4 CIS	0205-001153	GREASE-SILICON;SC102,JAPAN,-	S.N.A
4 T0081	6003-000334	SCREW-TAPTITE;RH,+,2S,M3,L6,ZPC(YEL),SWR	S.N.A
4 CIS	AA62-00045B	HEAT SINK;COMMANDO,AL1050,T1.0,H45.0	S.N.A
4 IC012	1203-000203	IC-POSI.ADJUST REG.;3050,TO-220,5P,-,PLA	
⚠ 3 IC809	BP96-00020L	ASSY HEAT SINK P;H/S TR,SCREW,SI-8050,OI	S.N.A
4 CIS	0205-001154	OIL-SILICON;G746,-,-	S.N.A
4 IC150	1203-002744	IC-SWITCH REG.;SI-8050S,TO-220,5P,10X16.	
4 T0081	6003-000335	SCREW-TAPTITE;RH,+,2S,M3,L8,ZPC(YEL),SWR	S.N.A
4 CIS	AA62-00045B	HEAT SINK;COMMANDO,AL1050,T1.0,H45.0	S.N.A
3	BP97-00517Q	ASSY AUTO;SP43T9HRX/XSE,J57A	S.N.A
4 D601	0401-000005	DIODE-SWITCHING;1N4148,75V,150MA,DO-35,T	
4 D602	0401-000005	DIODE-SWITCHING;1N4148,75V,150MA,DO-35,T	
4 D603	0401-000005	DIODE-SWITCHING;1N4148,75V,150MA,DO-35,T	
4 D604	0401-000005	DIODE-SWITCHING;1N4148,75V,150MA,DO-35,T	
4 D610	0401-000005	DIODE-SWITCHING;1N4148,75V,150MA,DO-35,T	
4 D611	0401-000005	DIODE-SWITCHING;1N4148,75V,150MA,DO-35,T	
4 D606	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
4 DZ151	0403-000699	DIODE-ZENER;TZP27B,27-30.8V,1000MW,DO-41	
4 DZ152	0403-000699	DIODE-ZENER;TZP27B,27-30.8V,1000MW,DO-41	
4 DZ801	0403-000700	DIODE-ZENER;TZP33A,5%,1000MW,DO-41,TP	
4 Q601	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
4 Q602	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
4 R663	2001-000007	R-CARBON;3KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 R808	2001-000066	R-CARBON(S);10KOHM,5%,1/2W,AA,TP,2.4X6.4	
4 R810	2001-000066	R-CARBON(S);10KOHM,5%,1/2W,AA,TP,2.4X6.4	
4 R177	2001-000085	R-CARBON(S);100KOHM,5%,1/2W,AA,TP,2.4X6.	
4 R178	2001-000085	R-CARBON(S);100KOHM,5%,1/2W,AA,TP,2.4X6.	
4 R805	2001-000109	R-CARBON(S);470OHM,5%,1/2W,AA,TP,2.4X6.4	
4 R671	2001-000210	R-CARBON;0ohm,5%,1/8W,AA,TP,1.8x3.2mm	
4 R665	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 R662	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 R667	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 R668	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 R670	2001-000411	R-CARBON;18KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 R813	2001-000508	R-CARBON;220KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 R659	2001-000522	R-CARBON;22KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 R660	2001-000522	R-CARBON;22KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 R812	2001-000522	R-CARBON;22KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 R658	2001-000613	R-CARBON;3.9KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 R687	2001-000613	R-CARBON;3.9KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 R802	2001-000739	R-CARBON;4.7MOHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 R803	2001-000739	R-CARBON;4.7MOHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 R804	2001-000739	R-CARBON;4.7MOHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 R806	2001-000739	R-CARBON;4.7MOHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 R809	2001-000739	R-CARBON;4.7MOHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 R666	2001-000780	R-CARBON;470OHM,5%,1/8W,AA,TP,1.8X3.2MM	
⚠ 4 FD101S	2001-001043	R-CARBON(S);0OHM,5%,1/2W,AA,TP,2.4X6.4MM	
⚠ 4 FD102S	2001-001043	R-CARBON(S);0OHM,5%,1/2W,AA,TP,2.4X6.4MM	
4 R801	2001-001077	R-CARBON(S);150OHM,5%,1/2W,AA,TP,2.4X6.4	
4 R674	2001-001131	R-CARBON(S);33KOHM,5%,1/2W,AA,TP,2.4X6.4	
4 R677	2001-001131	R-CARBON(S);33KOHM,5%,1/2W,AA,TP,2.4X6.4	
4 R681	2001-001146	R-CARBON(S);4.7OHM,5%,1/2W,AA,TP,2.4X6.4	
4 R682	2001-001146	R-CARBON(S);4.7OHM,5%,1/2W,AA,TP,2.4X6.4	
4 R175	2001-001185	R-CARBON(S);750OHM,5%,1/2W,AA,TP,2.4X6.4	
4 R176	2001-001185	R-CARBON(S);750OHM,5%,1/2W,AA,TP,2.4X6.4	
4 RZ130	2003-000458	R-METAL OXIDE(S);100ohm,5%,2W,AF,TP,4x12	
4 RZ130A	2003-000458	R-METAL OXIDE(S);100ohm,5%,2W,AF,TP,4x12	
4 RZ129	2003-001024	R-METAL OXIDE(S);150ohm,5%,2W,AF,TP,3.9x	
4 RZ131	2003-001024	R-METAL OXIDE(S);150ohm,5%,2W,AF,TP,3.9x	
4 RZ131A	2003-001024	R-METAL OXIDE(S);150ohm,5%,2W,AF,TP,3.9x	
4 RZ132	2003-001024	R-METAL OXIDE(S);150ohm,5%,2W,AF,TP,3.9x	
4 RZ132A	2003-001024	R-METAL OXIDE(S);150ohm,5%,2W,AF,TP,3.9x	
4 R814	2003-001098	R-METAL OXIDE(S);22Kohm,5%,3W,AA,TP,6x16	
4 RZ149	2003-002157	R-METAL OXIDE;220OHM,5%,2W,AG,TP,6X16MM	
4 RZ149A	2003-002157	R-METAL OXIDE;220OHM,5%,2W,AG,TP,6X16MM	
4 RZ148	2003-002171	R-METAL OXIDE(S);150ohm,5%,2W,AG,TP,3.9x	
4 RZ148A	2003-002171	R-METAL OXIDE(S);150ohm,5%,2W,AG,TP,3.9x	
4 RZ148B	2003-002171	R-METAL OXIDE(S);150ohm,5%,2W,AG,TP,3.9x	
4 R675	2004-001390	R-METAL(S);1Kohm,2%,1/2W,AA,TP,2.4x6.4mm	
4 R676	2004-001390	R-METAL(S);1Kohm,2%,1/2W,AA,TP,2.4x6.4mm	
4 R673	2004-005051	R-METAL(S);2.2KOHM,1%,1/2W,AA,TP,2.4X6.4	
4 R678	2004-005051	R-METAL(S);2.2KOHM,1%,1/2W,AA,TP,2.4X6.4	
4 R679	2004-005051	R-METAL(S);2.2KOHM,1%,1/2W,AA,TP,2.4X6.4	
4 R680	2004-005051	R-METAL(S);2.2KOHM,1%,1/2W,AA,TP,2.4X6.4	
4 RZ122	2008-001155	R-FUSIBLE;3.9OHM,5%,1/2W,AF,TP,2.5X6.5MM	
4 RZ123	2008-001155	R-FUSIBLE;3.9OHM,5%,1/2W,AF,TP,2.5X6.5MM	
4 RZ124	2008-001155	R-FUSIBLE;3.9OHM,5%,1/2W,AF,TP,2.5X6.5MM	
4 RZ125	2008-001155	R-FUSIBLE;3.9OHM,5%,1/2W,AF,TP,2.5X6.5MM	
4 RZ126	2008-001155	R-FUSIBLE;3.9OHM,5%,1/2W,AF,TP,2.5X6.5MM	
4 RZ127	2008-001155	R-FUSIBLE;3.9OHM,5%,1/2W,AF,TP,2.5X6.5MM	
4 RZ128	2008-001155	R-FUSIBLE;3.9OHM,5%,1/2W,AF,TP,2.5X6.5MM	
4 RZ142	2008-001155	R-FUSIBLE;3.9OHM,5%,1/2W,AF,TP,2.5X6.5MM	

Loc. No.	Code No.	Description ; Specification	Remark
4 RZ143	2008-001155	R-FUSIBLE;3.9OHM,5%,1/2W,AF,TP,2.5X6.5MM	
4 RZ144	2008-001155	R-FUSIBLE;3.9OHM,5%,1/2W,AF,TP,2.5X6.5MM	
4 RZ145	2008-001155	R-FUSIBLE;3.9OHM,5%,1/2W,AF,TP,2.5X6.5MM	
4 RZ146	2008-001155	R-FUSIBLE;3.9OHM,5%,1/2W,AF,TP,2.5X6.5MM	
4 RZ147	2008-001155	R-FUSIBLE;3.9OHM,5%,1/2W,AF,TP,2.5X6.5MM	
4 CZ117	2201-000327	C-CERAMIC,DISC;2.2NF,10%,50V,Y5V,TP,6.5X	
4 CZ118	2201-000327	C-CERAMIC,DISC;2.2NF,10%,50V,Y5V,TP,6.5X	
4 CZ138	2201-000327	C-CERAMIC,DISC;2.2NF,10%,50V,Y5V,TP,6.5X	
4 CZ139	2201-000327	C-CERAMIC,DISC;2.2NF,10%,50V,Y5V,TP,6.5X	
4 C694	2301-000192	C-FILM,LEAD-PEF;1nF,5%,50V,TP,5.3x10mm,5	
4 C695	2301-000192	C-FILM,LEAD-PEF;1nF,5%,50V,TP,5.3x10mm,5	
4 C872	2305-000412	C-FILM,LEAD-PEF;470nF,5%,63V,TP,-,5mm	
4 C682	2305-000665	C-FILM,LEAD-PEF;100nF,5%,63V,TP,7.5x4.0x	
4 C687	2305-000665	C-FILM,LEAD-PEF;100nF,5%,63V,TP,7.5x4.0x	
4 C689	2305-000665	C-FILM,LEAD-PEF;100nF,5%,63V,TP,7.5x4.0x	
4 C716	2401-000025	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
4 C819	2401-000025	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
4 C822	2401-000025	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
4 C901	2401-000031	C-AL;47uF,20%,16V,GP,TP,5x11,5	
4 C905	2401-000031	C-AL;47uF,20%,16V,GP,TP,5x11,5	
4 C104	2401-000039	C-AL;1000uF,20%,16V,GP,TP,10x16,5	
4 C147	2401-000050	C-AL;10uF,20%,16V,GP,TP,5x11,2.5	
4 C149	2401-000050	C-AL;10uF,20%,16V,GP,TP,5x11,2.5	
4 C832	2401-000142	C-AL;1000uF,20%,16V,WT,TP,10x20,5	
4 C866	2401-000183	C-AL;1000uF,20%,35V,WT,TP,12.5x25,5	
4 C869	2401-000183	C-AL;1000uF,20%,35V,WT,TP,12.5x25,5	
4 C686	2401-000192	C-AL;1000uF,20%,50V,GP,TP,16x25,7.5	
4 C688	2401-000192	C-AL;1000uF,20%,50V,GP,TP,16x25,7.5	
4 C803	2401-000287	C-AL;100uF,20%,16V,WT,TP,6.3x11,5	
4 C102	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
4 C103	2401-000360	C-AL;100uF,20%,50V,GP,TP,8x11.5,5	
4 C159	2401-000360	C-AL;100uF,20%,50V,GP,TP,8x11.5,5	
4 C806	2401-000360	C-AL;100uF,20%,50V,GP,TP,8x11.5,5	
4 C867	2401-000365	C-AL;100uF,20%,50V,WT,TP,10x12.5mm,	
4 C160	2401-000471	C-AL;10uF,20%,50V,BP,TP,5x11,5mm	
4 C161	2401-000471	C-AL;10uF,20%,50V,BP,TP,5x11,5mm	
4 C664	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
4 C684	2401-000603	C-AL;1UF,20%,50V,GP,TP,5X11,2	
4 C870	2401-000698	C-AL;2200uF,20%,16V,WT,TP,12.5x25,5	
4 C871	2401-000698	C-AL;2200uF,20%,16V,WT,TP,12.5x25,5	
4 C827	2401-000832	C-AL;220uF,20%,25V,GP,TP,8x11.5,5	
4 C124	2401-000962	C-AL;22uF,20%,50V,GP,TP,5x11,5	
4 C125	2401-000962	C-AL;22uF,20%,50V,GP,TP,5x11,5	
4 C135	2401-000962	C-AL;22uF,20%,50V,GP,TP,5x11,5	
4 C137	2401-000962	C-AL;22uF,20%,50V,GP,TP,5x11,5	
4 C138	2401-000962	C-AL;22uF,20%,50V,GP,TP,5x11,5	
4 C152	2401-000962	C-AL;22uF,20%,50V,GP,TP,5x11,5	
4 C154	2401-000962	C-AL;22uF,20%,50V,GP,TP,5x11,5	
4 C156	2401-000962	C-AL;22uF,20%,50V,GP,TP,5x11,5	
4 CZ140	2401-000962	C-AL;22uF,20%,50V,GP,TP,5x11,5	
4 CZ141	2401-000962	C-AL;22uF,20%,50V,GP,TP,5x11,5	
4 C685	2401-001192	C-AL;33uF,20%,50V,GP,TP,6.3x11,5	
4 C830	2401-001397	C-AL;470uF,20%,25V,GP,TP,10x16,5	
4 C164	2401-002009	C-AL;100uF,20%,16V,GP,TP,6.3x7,5	
4 C679	2401-002075	C-AL;4.7uF,20%,50V,GP,TP,5x11,5	
4 C680	2401-002075	C-AL;4.7uF,20%,50V,GP,TP,5x11,5	
4 C683	2401-002075	C-AL;4.7uF,20%,50V,GP,TP,5x11,5	
4 C808	2401-002183	C-AL;220uF,20%,16V,GP,TP,8x9,5mm	
4 C812	2401-002183	C-AL;220uF,20%,16V,GP,TP,8x9,5mm	
4 C816	2401-002183	C-AL;220uF,20%,16V,GP,TP,8x9,5mm	
4 C809	2401-002459	C-AL;220uF,20%,25V,LZ,TP,10x16,5	
4 C813	2401-002459	C-AL;220uF,20%,25V,LZ,TP,10x16,5	
4 C817	2401-002459	C-AL;220uF,20%,25V,LZ,TP,10x16,5	
4 C111	2401-002463	C-AL;470uF,20%,16V,GP,TP,8x11.5,5	
4 C823	2401-002463	C-AL;470uF,20%,16V,GP,TP,8x11.5,5	
4 C662	2401-002619	C-AL;47uF,20%,25V,GP,TP,5x11,5	
4 C826	2401-002619	C-AL;47uF,20%,25V,GP,TP,5x11,5	
4 C903	2401-002619	C-AL;47uF,20%,25V,GP,TP,5x11,5	
4 C834	2401-003034	C-AL;220uF,20%,16V,WT,TP,8x11.5,5	
4 C831	2401-003046	C-AL;47uF,20%,50V,WT,TP,6.3x11,2.5	
4 L105	2701-000106	INDUCTOR-AXIAL;1.5UH,10%,3070	
4 L703	2701-000115	INDUCTOR-AXIAL;10UH,10%,3070	
4 LZ107	2701-000142	INDUCTOR-AXIAL;1UH,10%,2534	
4 LZ108	2701-000142	INDUCTOR-AXIAL;1UH,10%,2534	
4 LZ109	2701-000142	INDUCTOR-AXIAL;1UH,10%,2534	
4 LZ110	2701-000142	INDUCTOR-AXIAL;1UH,10%,2534	
4 LZ111	2701-000142	INDUCTOR-AXIAL;1UH,10%,2534	
4 LZ112	2701-000142	INDUCTOR-AXIAL;1UH,10%,2534	
4 L705	2701-001030	INDUCTOR-AXIAL;43UH,10%,4514	
4 L706	2701-001030	INDUCTOR-AXIAL;43UH,10%,4514	
4 L102	2701-001040	INDUCTOR-AXIAL;10UH,10%,4514	
4 L605	3301-000287	BEAD-AXIAL;,3.5x1.0x6.0mm,3000mA,TP,,,50	
4 L606	3301-000287	BEAD-AXIAL;,3.5x1.0x6.0mm,3000mA,TP,,,50	
4 L804	3301-000287	BEAD-AXIAL;,3.5x1.0x6.0mm,3000mA,TP,,,50	
4 CN903	3711-002642	CONNECTOR-HEADER;BOX,3P,1R,2.5mm,STRAIGH	
4 CN601	3711-002643	CONNECTOR-HEADER;BOX,4P,1R,2.5mm,STRAIGH	
4 GT01	AA60-40014A	PIN-GT,ASSY;AUTO	S.N.A
4 GT02	AA60-40014A	PIN-GT,ASSY;AUTO	S.N.A
4 GT03	AA60-40014A	PIN-GT,ASSY;AUTO	S.N.A
4 GT04	AA60-40014A	PIN-GT,ASSY;AUTO	S.N.A
4 GT05	AA60-40014A	PIN-GT,ASSY;AUTO	S.N.A
4	BP97-00640A	ASSY SMD;SP54T9HRX/XSE,J57A	S.N.A
5	0202-001376	SOLDER-CREAM;RX3603-2330HO,S45A,PASTE,Sn	S.N.A
5 DZ106	0403-000314	DIODE-ZENER;RLZJ9.1B,8.8-9.3V,500MW,LL-3	
5 DZ108	0403-000314	DIODE-ZENER;RLZJ9.1B,8.8-9.3V,500MW,LL-3	
5 DZ109	0403-000314	DIODE-ZENER;RLZJ9.1B,8.8-9.3V,500MW,LL-3	
5 DZ701	0403-000314	DIODE-ZENER;RLZJ9.1B,8.8-9.3V,500MW,LL-3	
5 DZ704	0403-000314	DIODE-ZENER;RLZJ9.1B,8.8-9.3V,500MW,LL-3	
5 DZ105	0403-000314	DIODE-ZENER;RLZJ9.1B,8.8-9.3V,500MW,LL-3	
5 DZ101	0403-000314	DIODE-ZENER;RLZJ9.1B,8.8-9.3V,500MW,LL-3	
5 DZ102	0403-000314	DIODE-ZENER;RLZJ9.1B,8.8-9.3V,500MW,LL-3	
5 DZ103	0403-000314	DIODE-ZENER;RLZJ9.1B,8.8-9.3V,500MW,LL-3	
5 DZ104	0403-000314	DIODE-ZENER;RLZJ9.1B,8.8-9.3V,500MW,LL-3	
5 DZ804	0403-001016	DIODE-ZENER;RLZ6.2B,5.96-6.27V,500MW,LL-	
5 DZ805	0403-001016	DIODE-ZENER;RLZ6.2B,5.96-6.27V,500MW,LL-	
5 DZ806	0403-001016	DIODE-ZENER;RLZ6.2B,5.96-6.27V,500MW,LL-	
5 DZ807	0403-001016	DIODE-ZENER;RLZ6.2B,5.96-6.27V,500MW,LL-	
5 DZ808	0403-001016	DIODE-ZENER;RLZ6.2B,5.96-6.27V,500MW,LL-	
5 DZ114	0403-001016	DIODE-ZENER;RLZ6.2B,5.96-6.27V,500MW,LL-	
5 DZ702	0403-001016	DIODE-ZENER;RLZ6.2B,5.96-6.27V,500MW,LL-	
5 DZ703	0403-001016	DIODE-ZENER;RLZ6.2B,5.96-6.27V,500MW,LL-	
5 DZ802	0403-001016	DIODE-ZENER;RLZ6.2B,5.96-6.27V,500MW,LL-	
5 DZ803	0403-001016	DIODE-ZENER;RLZ6.2B,5.96-6.27V,500MW,LL-	
5 DZ708	0403-001117	DIODE-ZENER;RLZ12B,11.44-12.03V,500MW,LL	
5 DZ705	0403-001117	DIODE-ZENER;RLZ12B,11.44-12.03V,500MW,LL	
5 DZ604	0403-001117	DIODE-ZENER;RLZ12B,11.44-12.03V,500MW,LL	
5 Q704	0501-000344	TR-SMALL SIGNAL;KSC1623-G,NPN,200mW,SOT-	
5 Q707	0501-000344	TR-SMALL SIGNAL;KSC1623-G,NPN,200mW,SOT-	
5 Q708	0501-000344	TR-SMALL SIGNAL;KSC1623-G,NPN,200mW,SOT-	
5 Q709	0501-000344	TR-SMALL SIGNAL;KSC1623-G,NPN,200mW,SOT-	
5 Q710	0501-000344	TR-SMALL SIGNAL;KSC1623-G,NPN,200mW,SOT-	
5 Q723	0501-000344	TR-SMALL SIGNAL;KSC1623-G,NPN,200mW,SOT-	
5 Q703	0501-000344	TR-SMALL SIGNAL;KSC1623-G,NPN,200mW,SOT-	
5 Q102	0501-000344	TR-SMALL SIGNAL;KSC1623-G,NPN,200mW,SOT-	
5 Q104	0501-000344	TR-SMALL SIGNAL;KSC1623-G,NPN,200mW,SOT-	
5 Q105	0501-000344	TR-SMALL SIGNAL;KSC1623-G,NPN,200mW,SOT-	
5 Q107	0501-000344	TR-SMALL SIGNAL;KSC1623-G,NPN,200mW,SOT-	
5 Q108	0501-000344	TR-SMALL SIGNAL;KSC1623-G,NPN,200mW,SOT-	
5 Q109	0501-000344	TR-SMALL SIGNAL;KSC1623-G,NPN,200mW,SOT-	
5 Q604	0501-000727	TR-SMALL SIGNAL;BC848C,NPN,310mW,SOT-23,	
5 IC101	0904-001031	IC-I/O SUPPORT CHIP;8574,8BIT,S0P,16P,-,	
5 IC701	1001-001177	IC-VIDEO SWITCH;TEA6425D,VIDEO SWITCH ,S	
5 IC702	1001-001177	IC-VIDEO SWITCH;TEA6425D,VIDEO SWITCH ,S	
5 IC605	1001-001178	IC-AUDIO SWITCH;TEA6422D,AUDIO SWITCH ,S	
5 IC705	1002-001048	IC-A/D&D/A CONVERTER;PCF8591T,8BIT,SOP,1	
5 IC704	1002-001048	IC-A/D&D/A CONVERTER;PCF8591T,8BIT,SOP,1	
5 IC810	1103-001195	IC-EEPROM;24C64,8Kx8,SOP,P,5x4mm,2.7/5.5	
5 R712	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
5 R729	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
5 R788	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
5 R789	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
5 R708	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
5 R706	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
5 R702	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
5 R607	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
5 R604	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
5 R791	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
5 R918	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
5 R904	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
5 R795	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
5 R794	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
5 R792	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
5 R601	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
5 R147	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	

Loc. No.	Code No.	Description ; Specification	Remark
5 R146	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
5 R144	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
5 R129	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
5 R127	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
5 R126	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
5 R125	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
5 R117	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
5 R101	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
5 R179	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
5 R196	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
5 R195	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
5 R194	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
5 R191	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
5 R190	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
5 R180	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
5 R187	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
5 R188	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
5 R189	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
5 R920	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
5 R921	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
5 R703	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 R707	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 R709	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 R722	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 R647	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 R646	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 R214	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 R213	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 R212	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 R820	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 R817	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 R816	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 R773	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 R772	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 R757	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 R756	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 R731	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 R724	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 R211	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 R122	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 R116	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 R115	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 R114	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 R113	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 R108	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 R107	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 R103	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 R102	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 R210	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 R209	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 R208	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 R172	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 R171	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 R170	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 R128	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 R124	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 R123	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
5 R730	2007-000076	R-CHIP;330ohm,5%,1/10W,TP,1608	
5 R652	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
5 R653	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
5 R728	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
5 R787	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
5 R790	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
5 R793	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
5 R796	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
5 R797	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
5 R798	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
5 R106	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
5 R638	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
5 R639	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
5 R641	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
5 R642	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
5 R651	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
5 R649	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
5 R648	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
5 R643	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
5 R199	2007-000080	R-CHIP;2Kohm,5%,1/10W,TP,1608	
5 R202	2007-000080	R-CHIP;2Kohm,5%,1/10W,TP,1608	
5 R205	2007-000080	R-CHIP;2Kohm,5%,1/10W,TP,1608	
5 R154	2007-000080	R-CHIP;2Kohm,5%,1/10W,TP,1608	
5 R160	2007-000080	R-CHIP;2Kohm,5%,1/10W,TP,1608	
5 R163	2007-000080	R-CHIP;2Kohm,5%,1/10W,TP,1608	
5 RZ140	2007-000082	R-CHIP;3.3Kohm,5%,1/10W,TP,1608	
5 RZ138	2007-000082	R-CHIP;3.3Kohm,5%,1/10W,TP,1608	
5 RZ136	2007-000082	R-CHIP;3.3Kohm,5%,1/10W,TP,1608	
5 RZ113	2007-000082	R-CHIP;3.3Kohm,5%,1/10W,TP,1608	
5 RZ115	2007-000082	R-CHIP;3.3Kohm,5%,1/10W,TP,1608	
5 RZ117	2007-000082	R-CHIP;3.3Kohm,5%,1/10W,TP,1608	
5 R771	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
5 R774	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
5 R780	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
5 R815	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
5 R818	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
5 R819	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
5 R917	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
5 R755	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
5 R215	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
5 R216	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
5 R217	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
5 R218	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
5 R750	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
5 R220	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
5 R219	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
5 R763	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
5 R764	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
5 R765	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
5 R766	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
5 R749	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
5 R690	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
5 R691	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
5 R747	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
5 R748	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
5 R759	2007-000093	R-CHIP;20Kohm,5%,1/10W,TP,1608	
5 R760	2007-000093	R-CHIP;20Kohm,5%,1/10W,TP,1608	
5 R761	2007-000093	R-CHIP;20Kohm,5%,1/10W,TP,1608	
5 R744	2007-000093	R-CHIP;20Kohm,5%,1/10W,TP,1608	
5 R739	2007-000093	R-CHIP;20Kohm,5%,1/10W,TP,1608	
5 R741	2007-000093	R-CHIP;20Kohm,5%,1/10W,TP,1608	
5 R742	2007-000093	R-CHIP;20Kohm,5%,1/10W,TP,1608	
5 R198	2007-000094	R-CHIP;22Kohm,5%,1/10W,TP,1608	
5 R200	2007-000094	R-CHIP;22Kohm,5%,1/10W,TP,1608	
5 R201	2007-000094	R-CHIP;22Kohm,5%,1/10W,TP,1608	
5 R203	2007-000094	R-CHIP;22Kohm,5%,1/10W,TP,1608	
5 R204	2007-000094	R-CHIP;22Kohm,5%,1/10W,TP,1608	
5 R915	2007-000094	R-CHIP;22Kohm,5%,1/10W,TP,1608	
5 R916	2007-000094	R-CHIP;22Kohm,5%,1/10W,TP,1608	
5 R152	2007-000094	R-CHIP;22Kohm,5%,1/10W,TP,1608	
5 R153	2007-000094	R-CHIP;22Kohm,5%,1/10W,TP,1608	
5 R158	2007-000094	R-CHIP;22Kohm,5%,1/10W,TP,1608	
5 R159	2007-000094	R-CHIP;22Kohm,5%,1/10W,TP,1608	
5 R161	2007-000094	R-CHIP;22Kohm,5%,1/10W,TP,1608	
5 R162	2007-000094	R-CHIP;22Kohm,5%,1/10W,TP,1608	
5 R197	2007-000094	R-CHIP;22Kohm,5%,1/10W,TP,1608	
5 R716	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	
5 R704	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	
5 R110	2007-000098	R-CHIP;56Kohm,5%,1/10W,TP,1608	
5 R105	2007-000098	R-CHIP;56Kohm,5%,1/10W,TP,1608	
5 RZ141	2007-000119	R-CHIP;560ohm,5%,1/10W,TP,1608	
5 RZ139	2007-000119	R-CHIP;560ohm,5%,1/10W,TP,1608	
5 RZ137	2007-000119	R-CHIP;560ohm,5%,1/10W,TP,1608	
5 RZ118	2007-000119	R-CHIP;560ohm,5%,1/10W,TP,1608	
5 RZ116	2007-000119	R-CHIP;560ohm,5%,1/10W,TP,1608	
5 RZ114	2007-000119	R-CHIP;560ohm,5%,1/10W,TP,1608	
5 R743	2007-000127	R-CHIP;9.1Kohm,5%,1/10W,TP,1608	
5 R740	2007-000127	R-CHIP;9.1Kohm,5%,1/10W,TP,1608	
5 RZ135	2007-000129	R-CHIP;27Kohm,5%,1/10W,TP,1608	
5 RZ134	2007-000129	R-CHIP;27Kohm,5%,1/10W,TP,1608	
5 RZ133	2007-000129	R-CHIP;27Kohm,5%,1/10W,TP,1608	
5 RZ112	2007-000129	R-CHIP;27Kohm,5%,1/10W,TP,1608	
5 RZ111	2007-000129	R-CHIP;27Kohm,5%,1/10W,TP,1608	
5 RZ110	2007-000129	R-CHIP;27Kohm,5%,1/10W,TP,1608	
5 R109	2007-000130	R-CHIP;39Kohm,5%,1/10W,TP,1608	
5 R104	2007-000130	R-CHIP;39Kohm,5%,1/10W,TP,1608	
5 RZ109	2007-000643	R-CHIP;270ohm,5%,1/10W,TP,1608	

Loc. No.	Code No.	Description ; Specification	Remark
5 RZ108	2007-000643	R-CHIP;270ohm,5%,1/10W,TP,1608	
5 RZ107	2007-000643	R-CHIP;270ohm,5%,1/10W,TP,1608	
5 RZ104	2007-000643	R-CHIP;270ohm,5%,1/10W,TP,1608	
5 RZ105	2007-000643	R-CHIP;270ohm,5%,1/10W,TP,1608	
5 RZ106	2007-000643	R-CHIP;270ohm,5%,1/10W,TP,1608	
5 R767	2007-001010	R-CHIP;51Kohm,5%,1/10W,TP,1608	
5 R768	2007-001010	R-CHIP;51Kohm,5%,1/10W,TP,1608	
5 R769	2007-001010	R-CHIP;51Kohm,5%,1/10W,TP,1608	
5 R770	2007-001010	R-CHIP;51Kohm,5%,1/10W,TP,1608	
5 R754	2007-001010	R-CHIP;51Kohm,5%,1/10W,TP,1608	
5 R753	2007-001010	R-CHIP;51Kohm,5%,1/10W,TP,1608	
5 R752	2007-001010	R-CHIP;51Kohm,5%,1/10W,TP,1608	
5 R751	2007-001010	R-CHIP;51Kohm,5%,1/10W,TP,1608	
5 R913	2007-001044	R-CHIP;56ohm,5%,1/10W,TP,1608	
5 R710	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	
5 R701	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	
5 R609	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	
5 R606	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	
5 R602	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	
5 R174	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	
5 R173	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	
5 R914	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	
5 R799	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	
5 R727	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	
5 R726	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	
5 R725	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	
5 R714	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	
5 R713	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	
5 R132	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	
5 R131	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	
5 R130	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	
5 R121	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	
5 R120	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	
5 R119	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	
5 R118	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	
5 R141	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	
5 R139	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	
5 R138	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	
5 R136	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	
5 R135	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	
5 R134	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	
5 R133	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	
5 C705	2203-000204	C-CER,CHIP;100nF,10%,25V,X7R,TP,2012	
5 C829	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 C828	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 C825	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 C824	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 C821	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 C820	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 C906	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 C904	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 C902	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 C837	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 C835	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 C833	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 C818	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 C804	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 C722	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 C721	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 C709	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 C707	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 C663	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 C815	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 C814	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 C811	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 C805	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 C807	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 C810	2203-000206	C-CER,CHIP;100nF,10%,50V,X7R,TP,2012	
5 C146	2203-000236	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1608	
5 C145	2203-000236	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1608	
5 C143	2203-000236	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1608	
5 C142	2203-000236	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1608	
5 C162	2203-000236	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1608	
5 C163	2203-000236	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1608	
5 C677	2203-000236	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1608	
5 C678	2203-000236	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1608	
5 C114	2203-000236	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1608	
5 C115	2203-000236	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1608	
5 C116	2203-000236	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1608	
5 C117	2203-000236	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1608	
5 C141	2203-000236	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1608	
5 C140	2203-000236	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1608	
5 C121	2203-000236	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1608	
5 C120	2203-000236	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1608	
5 C110	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
5 C112	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
5 C717	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
5 C109	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
5 C101	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
5 C105	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
5 C107	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
5 CZ136	2203-000626	C-CER,CHIP;0.022nF,5%,50V,C0G,TP,1608	
5 CZ134	2203-000626	C-CER,CHIP;0.022nF,5%,50V,C0G,TP,1608	
5 CZ132	2203-000626	C-CER,CHIP;0.022nF,5%,50V,C0G,TP,1608	
5 CZ111	2203-000626	C-CER,CHIP;0.022nF,5%,50V,C0G,TP,1608	
5 CZ113	2203-000626	C-CER,CHIP;0.022nF,5%,50V,C0G,TP,1608	
5 CZ115	2203-000626	C-CER,CHIP;0.022nF,5%,50V,C0G,TP,1608	
5 CZ128	2203-000838	C-CER,CHIP;0.39NF,5%,50V,C0G,TP,1608	
5 CZ127	2203-000838	C-CER,CHIP;0.39NF,5%,50V,C0G,TP,1608	
5 CZ126	2203-000838	C-CER,CHIP;0.39NF,5%,50V,C0G,TP,1608	
5 CZ108	2203-000838	C-CER,CHIP;0.39NF,5%,50V,C0G,TP,1608	
5 CZ109	2203-000838	C-CER,CHIP;0.39NF,5%,50V,C0G,TP,1608	
5 CZ110	2203-000838	C-CER,CHIP;0.39NF,5%,50V,C0G,TP,1608	
5 CZ137	2203-001126	C-CER,CHIP;0.68nF,10%,50V,X7R,TP,1608	
5 CZ135	2203-001126	C-CER,CHIP;0.68nF,10%,50V,X7R,TP,1608	
5 CZ133	2203-001126	C-CER,CHIP;0.68nF,10%,50V,X7R,TP,1608	
5 CZ112	2203-001126	C-CER,CHIP;0.68nF,10%,50V,X7R,TP,1608	
5 CZ114	2203-001126	C-CER,CHIP;0.68nF,10%,50V,X7R,TP,1608	
5 CZ116	2203-001126	C-CER,CHIP;0.68nF,10%,50V,X7R,TP,1608	
5 CZ156	2203-001155	C-CER,CHIP;0.068nF,5%,50V,NP0,TP,1608	
5 CZ155	2203-001155	C-CER,CHIP;0.068nF,5%,50V,NP0,TP,1608	
5 CZ154	2203-001155	C-CER,CHIP;0.068nF,5%,50V,NP0,TP,1608	
5 CZ151	2203-001155	C-CER,CHIP;0.068nF,5%,50V,NP0,TP,1608	
5 CZ152	2203-001155	C-CER,CHIP;0.068nF,5%,50V,NP0,TP,1608	
5 CZ153	2203-001155	C-CER,CHIP;0.068nF,5%,50V,NP0,TP,1608	
5 C715	2203-002494	C-CER,CHIP;470nF,10%,16V,X7R,TP,2012	
5 C714	2203-002494	C-CER,CHIP;470nF,10%,16V,X7R,TP,2012	
5 C713	2203-002494	C-CER,CHIP;470nF,10%,16V,X7R,TP,2012	
5 C710	2203-002494	C-CER,CHIP;470nF,10%,16V,X7R,TP,2012	
5 C711	2203-002494	C-CER,CHIP;470nF,10%,16V,X7R,TP,2012	
5 C712	2203-002494	C-CER,CHIP;470nF,10%,16V,X7R,TP,2012	
5 C704	2203-005590	C-CER,CHIP;330NF,10%,16V,X7R,TP,2012	
5 C703	2203-005590	C-CER,CHIP;330NF,10%,16V,X7R,TP,2012	
5 C702	2203-005590	C-CER,CHIP;330NF,10%,16V,X7R,TP,2012	
5 C701	2203-005590	C-CER,CHIP;330NF,10%,16V,X7R,TP,2012	
5 C671	2402-000120	C-AL,SMD;10UF,20%,50V,GP,TP,6.6X6.6X5.4M	
5 C672	2402-000120	C-AL,SMD;10UF,20%,50V,GP,TP,6.6X6.6X5.4M	
5 C674	2402-000120	C-AL,SMD;10UF,20%,50V,GP,TP,6.6X6.6X5.4M	
5 C675	2402-000120	C-AL,SMD;10UF,20%,50V,GP,TP,6.6X6.6X5.4M	
5 C676	2402-000120	C-AL,SMD;10UF,20%,50V,GP,TP,6.6X6.6X5.4M	
5 C665	2402-000120	C-AL,SMD;10UF,20%,50V,GP,TP,6.6X6.6X5.4M	
5 C666	2402-000120	C-AL,SMD;10UF,20%,50V,GP,TP,6.6X6.6X5.4M	
5 C668	2402-000120	C-AL,SMD;10UF,20%,50V,GP,TP,6.6X6.6X5.4M	
5 C669	2402-000120	C-AL,SMD;10UF,20%,50V,GP,TP,6.6X6.6X5.4M	
5 C670	2402-000120	C-AL,SMD;10UF,20%,50V,GP,TP,6.6X6.6X5.4M	
5 C917	2402-000165	C-AL,SMD;47uF,20%,6.3V,GP,TP,5.3x5.3x5.	
5 C836	2402-001049	C-AL,CHIP;10uF,20%,16V,GP,TP,3.3x3.3x5.4	
5 C690	2402-001140	C-AL,SMD;4.7UF,-,50V,GP,TP,4.3X4.3X5.3MM	
5 C720	2402-001155	C-AL,SMD;47UF,20%,16V,WT,TP,6.3X5.2MM	
5 C706	2402-001155	C-AL,SMD;47UF,20%,16V,WT,TP,6.3X5.2MM	
5 C106	2402-001155	C-AL,SMD;47UF,20%,16V,WT,TP,6.3X5.2MM	
5 C113	2402-001158	C-AL,SMD;1UF,20%,50V,WT,TP,4X5.2MM	
5 C108	2402-001158	C-AL,SMD;1UF,20%,50V,WT,TP,4X5.2MM	
5 L604	2703-000398	INDUCTOR-SMD;10uH,10%,3225	
5 L131	2703-000398	INDUCTOR-SMD;10uH,10%,3225	
5 L130	2703-000398	INDUCTOR-SMD;10uH,10%,3225	
5 L129	2703-000398	INDUCTOR-SMD;10uH,10%,3225	
5 L128	2703-000398	INDUCTOR-SMD;10uH,10%,3225	
5 L127	2703-000398	INDUCTOR-SMD;10uH,10%,3225	
5 L126	2703-000398	INDUCTOR-SMD;10uH,10%,3225	
5 L906	2703-000398	INDUCTOR-SMD;10uH,10%,3225	
5 L902	2703-000398	INDUCTOR-SMD;10uH,10%,3225	
5 L901	2703-000398	INDUCTOR-SMD;10uH,10%,3225	
5 L708	2703-000398	INDUCTOR-SMD;10uH,10%,3225	

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5 L707	2703-000398	INDUCTOR-SMD;10uH,10%,3225	
5 L702	2703-000398	INDUCTOR-SMD;10uH,10%,3225	
5 L701	2703-000398	INDUCTOR-SMD;10uH,10%,3225	
5 L125	2703-000398	INDUCTOR-SMD;10uH,10%,3225	
5 L111	2703-000398	INDUCTOR-SMD;10uH,10%,3225	
5 L108	2703-000398	INDUCTOR-SMD;10uH,10%,3225	
5 L107	2703-000398	INDUCTOR-SMD;10uH,10%,3225	
5 L106	2703-000398	INDUCTOR-SMD;10uH,10%,3225	
5 L104	2703-000398	INDUCTOR-SMD;10uH,10%,3225	
5 L103	2703-000398	INDUCTOR-SMD;10uH,10%,3225	
5 L101	2703-000398	INDUCTOR-SMD;10uH,10%,3225	
5 L124	2703-000398	INDUCTOR-SMD;10uH,10%,3225	
5 L123	2703-000398	INDUCTOR-SMD;10uH,10%,3225	
5 L122	2703-000398	INDUCTOR-SMD;10uH,10%,3225	
5 L121	2703-000398	INDUCTOR-SMD;10uH,10%,3225	
5 L114	2703-000398	INDUCTOR-SMD;10uH,10%,3225	
5 L113	2703-000398	INDUCTOR-SMD;10uH,10%,3225	
5 L112	2703-000398	INDUCTOR-SMD;10uH,10%,3225	
5 L132	2703-000398	INDUCTOR-SMD;10uH,10%,3225	
5 L133	2703-000398	INDUCTOR-SMD;10uH,10%,3225	
5 L710	2703-000398	INDUCTOR-SMD;10uH,10%,3225	
5 L905	3301-001324	BEAD-SMD;15ohm,2012,600mA,TP,,,0.1ohm	
5 R700	2007-001101	R-CHIP;62ohm,5%,1/10W,TP,1608	
5 0	BP41-00034C	PCB MAIN;SP43T9HRX,FR-4,2L,C,1.6T,330*24	S.N.A
4 DZ605	0403-000167	DIODE-ZENER;1N4758A,5%,1000MW,DO-41,TP	
4 R811	2001-001186	R-CARBON(S);75KOHM,5%,1/2W,AA,TP,2.4X6.4	
2 T0098	BP94-00606A	ASSY PCB MISC-CONTROL;SP47Q7HRX/XTT,J57A	
3	0202-001366	SOLDER-WIRE FLUX;-,RS60S,D1.2,63Sn/37Pb,	S.N.A
3 LEDY01	0601-001381	LED;ROUND,RED/GRN,5.0MM,650/563NM	
3 T0121	3301-001201	CORE-FERRITE;AE,21x11x32mm,1500,280G	
3 SWY06	3404-001006	SWITCH-TACT;12V,50mA,160gf,6x6mm,SPST	
3 SWY07	3404-001006	SWITCH-TACT;12V,50mA,160gf,6x6mm,SPST	
3 SWY08	3404-001006	SWITCH-TACT;12V,50mA,160gf,6x6mm,SPST	
3 SWY05	3404-001006	SWITCH-TACT;12V,50mA,160gf,6x6mm,SPST	
3 SWY01	3404-001006	SWITCH-TACT;12V,50mA,160gf,6x6mm,SPST	
3 SWY03	3404-001006	SWITCH-TACT;12V,50mA,160gf,6x6mm,SPST	
3 SWY04	3404-001006	SWITCH-TACT;12V,50mA,160gf,6x6mm,SPST	
3 CNY02	3711-000057	CONNECTOR-HEADER;BOX,3P,1R,2.5mm,ANGLE,S	
3 CNY01	3711-000609	CONNECTOR-HEADER;BOX,11P,1R,2.5MM,ANGLE,	
3 T0081	6003-001023	SCREW-TAPTITE;PWH,+,B,M3,L10,ZPC(YEL),SW	S.N.A
3 RMY01	AA32-00012A	MODULE REMOCON;ORC-50HF2,38KHZ,940NM,MES	
3 CNW01	BP39-00065A	LEAD CONNECTOR;P57A/SVP-55WHT,UL1007#26,	
3	BP97-00653A	ASSY AUTO;SP47Q7HRX/XTT,J57A	S.N.A
4 DZY03	0403-000510	DIODE-ZENER;MTZJ6.2B,5.96-6.27V,500MW,DO	
4 DZY02	0403-000510	DIODE-ZENER;MTZJ6.2B,5.96-6.27V,500MW,DO	
4 DZY01	0403-000510	DIODE-ZENER;MTZJ6.2B,5.96-6.27V,500MW,DO	
4 QY02	0504-000123	TR-DIGITAL;KSR1010,NPN,300mW,10K,TO-92,T	
4 QY01	0504-000123	TR-DIGITAL;KSR1010,NPN,300mW,10K,TO-92,T	
4 RY07	2001-000020	R-CARBON(S);22OHM,5%,1/2W,AA,TP,2.4X6.4M	
4 RY09	2001-000109	R-CARBON(S);470OHM,5%,1/2W,AA,TP,2.4X6.4	
4 RY01	2001-000109	R-CARBON(S);470OHM,5%,1/2W,AA,TP,2.4X6.4	
4 RY04	2001-000241	R-CARBON;1.5KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 RY05	2001-000832	R-CARBON;510OHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 RY03	2001-000832	R-CARBON;510OHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 RY02	2001-000832	R-CARBON;510OHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 RY06	2001-000924	R-CARBON;680OHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 RY08	2001-001108	R-CARBON(S);22KOHM,5%,1/2W,AA,TP,2.4X6.4	
4 CY01	2401-002009	C-AL;100uF,20%,16V,GP,TP,6.3x7,5	
4 PCB	AA41-00855A	PCB-CONTROL;52Q7,FR-1,1L,A,1.6T,245X245,	S.N.A
3 T0286	BP94-00604A	ASSY PCB MISC-MASTER S/W;SP47Q7HRX/XTT,J	
4	0202-001366	SOLDER-WIRE FLUX;-,RS60S,D1.2,63Sn/37Pb,	S.N.A
4 SWP01	3403-001130	SWITCH-PUSH;250VAC,5A,SPST,OFF-ON-OFF,-	
4 HM+MS	6003-000334	SCREW-TAPTITE;RH,+,2S,M3,L6,ZPC(YEL),SWR	S.N.A
4	AA61-00719B	HOLDER-MASTER;T6,W3,HIPS V0,BLK,J52A	S.N.A
4	BP97-00134A	ASSY AUTO-MASTER S/W;SVP-55W9HRTC,P55A	S.N.A
5 PCB	AA41-00784A	PCB-POWER S/W;SVP-55W9HRTC,CEM-1,1L,A,1.	S.N.A
5 EY02	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
5 EY01	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
5 GT01	AA60-40014A	PIN-GT,ASSY;AUTO	S.N.A
5 GT02	AA60-40014A	PIN-GT,ASSY;AUTO	S.N.A
2	BP94-00739A	ASSY PCB CRT-PCB;SP47Q7HRX/XTT,J57A	
3	0202-001366	SOLDER-WIRE FLUX;-,RS60S,D1.2,63Sn/37Pb,	S.N.A
3 VR501	2101-000321	VR-ROTARY;1Mohm,-,0.6W,SIDE	
3 VR531	2101-000321	VR-ROTARY;1Mohm,-,0.6W,SIDE	
3 VR561	2101-000321	VR-ROTARY;1Mohm,-,0.6W,SIDE	
3 C578	2201-000173	C-CERAMIC,DISC;10NF,10%,500V,Y5P,BK,16X4	
3 C548	2201-000173	C-CERAMIC,DISC;10NF,10%,500V,Y5P,BK,16X4	
3 C518	2201-000173	C-CERAMIC,DISC;10NF,10%,500V,Y5P,BK,16X4	
3 T0121	3301-001201	CORE-FERRITE;AE,21x11x32mm,1500,280G	
3 V561	3704-001019	SOCKET-CRT;10P,29.1PI,35.5PI,AU30U,-	
3 V531	3704-001019	SOCKET-CRT;10P,29.1PI,35.5PI,AU30U,-	
3 V501	3704-001019	SOCKET-CRT;10P,29.1PI,35.5PI,AU30U,-	
3 CN504	3711-000012	CONNECTOR-HEADER;BOX,4P,1R,2.5mm,STRAIGH	
3 CN401	3711-001084	CONNECTOR-HEADER;BOX,8P,1R,2.5mm,STRAIGH	
3 CN501	3711-000577	CONNECTOR-HEADER;BOX,10P,1R,2.5mm,STRAIG	
3 CN503B	3711-000654	CONNECTOR-HEADER;BOX,12P,1R,2.5mm,STRAIG	
3 CN503	3711-000654	CONNECTOR-HEADER;BOX,12P,1R,2.5mm,STRAIG	
3 CN502B	3711-000654	CONNECTOR-HEADER;BOX,12P,1R,2.5mm,STRAIG	
3 CN502	3711-000654	CONNECTOR-HEADER;BOX,12P,1R,2.5mm,STRAIG	
3 GRW-G	AA39-20010D	LEAD CONNECTOR-ASSY;,1P,400,YFH800-01,S,	
3 GBW-G	AA39-20010D	LEAD CONNECTOR-ASSY;,1P,400,YFH800-01,S,	
3	AA63-10002A	BAND-TIE;NYLON66 V2,L100,NTR	S.N.A
3 IC561	AA96-50389B	ASSY H/S;-,VIDEO AMP,AA62-30185A,TDA6120	S.N.A
3 IC531	AA96-50389B	ASSY H/S;-,VIDEO AMP,AA62-30185A,TDA6120	S.N.A
3 IC501	AA96-50389B	ASSY H/S;-,VIDEO AMP,AA62-30185A,TDA6120	S.N.A
4	0205-001153	GREASE-SILICON;SC102,JAPAN,-	S.N.A
4 T0074	1201-001588	IC-VIDEO AMP;6120,ZSIP,13P,173MIL,SINGLE	
4 T0081	6003-000334	SCREW-TAPTITE;RH,+,2S,M3,L6,ZPC(YEL),SWR	S.N.A
4	AA61-10162A	BRACKET-IC;-,SBHG-1,T1.0,-,-,-,-	S.N.A
4	AA62-30185A	HEAT SINK-PS;-,CUS-1 1/2H,T1.0,YEL,33*20	S.N.A
3 RPW-SC	BP39-00004B	LEAD CONNECTOR-ASSY;P55A/HCM4215W,UL3239	
3 GRW-SC	BP39-00004C	LEAD CONNECTOR-ASSY;P55A/HCM4215W,UL3239	
3 GDW-SC	BP39-00004C	LEAD CONNECTOR-ASSY;P55A/HCM4215W,UL3239	
3 GBW-SC	BP39-00004C	LEAD CONNECTOR-ASSY;P55A/HCM4215W,UL3239	
3 CNW401	BP39-00055A	LEAD CONNECTOR;P57A/SVP-55WHT,UL1007#26,	
3 CNW501	BP39-00056A	LEAD CONNECTOR;P57A/SVP-55WHT,UL1185#26,	
3 GND-WIR	BP39-00070A	LEAD CONNECTOR;P57A/SVP-55WHT,UL1617#22,	
3 CNW504	BP39-00073A	LEAD CONNECTOR;P57A/SVP-55W9HT,UL1007#26	
3 T0103	BP59-00005A	MODULE-FOCUS PACK ASS'Y;PJT TV,F301-P03A	
3	BP97-00654A	ASSY AUTO;SP47Q7HRX/XTT,J57A	S.N.A
4 D511	0401-000005	DIODE-SWITCHING;1N4148,75V,150MA,DO-35,T	
4 D504	0401-000005	DIODE-SWITCHING;1N4148,75V,150MA,DO-35,T	
4 D501	0401-000005	DIODE-SWITCHING;1N4148,75V,150MA,DO-35,T	
4 D537	0401-000006	DIODE-SWITCHING;BAV21,250V,200MA,DO-35,T	
4 D538	0401-000006	DIODE-SWITCHING;BAV21,250V,200MA,DO-35,T	
4 D565	0401-000006	DIODE-SWITCHING;BAV21,250V,200MA,DO-35,T	
4 D566	0401-000006	DIODE-SWITCHING;BAV21,250V,200MA,DO-35,T	
4 D567	0401-000006	DIODE-SWITCHING;BAV21,250V,200MA,DO-35,T	
4 D568	0401-000006	DIODE-SWITCHING;BAV21,250V,200MA,DO-35,T	
4 D505	0401-000006	DIODE-SWITCHING;BAV21,250V,200MA,DO-35,T	
4 D506	0401-000006	DIODE-SWITCHING;BAV21,250V,200MA,DO-35,T	
4 D507	0401-000006	DIODE-SWITCHING;BAV21,250V,200MA,DO-35,T	
4 D508	0401-000006	DIODE-SWITCHING;BAV21,250V,200MA,DO-35,T	
4 D535	0401-000006	DIODE-SWITCHING;BAV21,250V,200MA,DO-35,T	
4 D536	0401-000006	DIODE-SWITCHING;BAV21,250V,200MA,DO-35,T	
4 D562	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP	
4 D532	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP	
4 D502	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP	
4 D563	0402-000493	DIODE-RECTIFIER;1R5GU41,400V,1.5A,DO-15L	
4 D533	0402-000493	DIODE-RECTIFIER;1R5GU41,400V,1.5A,DO-15L	
4 D503	0402-000493	DIODE-RECTIFIER;1R5GU41,400V,1.5A,DO-15L	
4 D570	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
4 D539	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
4 D510	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
4 DZ561	0403-000714	DIODE-ZENER;MTZJ3.3B,3.32-3.53V,500MW,DO	
4 DZ531	0403-000714	DIODE-ZENER;MTZJ3.3B,3.32-3.53V,500MW,DO	
4 DZ501	0403-000714	DIODE-ZENER;MTZJ3.3B,3.32-3.53V,500MW,DO	
4 DZ562	0403-000720	DIODE-ZENER;MTZJ9.1B,8.57-9.01V,500MW,DO	
4 DZ532	0403-000720	DIODE-ZENER;MTZJ9.1B,8.57-9.01V,500MW,DO	
4 DZ502	0403-000720	DIODE-ZENER;MTZJ9.1B,8.57-9.01V,500MW,DO	
4 DZ563	0403-000734	DIODE-ZENER;TZP15B,14.7-16.5V,1000MW,DO-	
4 DZ533	0403-000734	DIODE-ZENER;TZP15B,14.7-16.5V,1000MW,DO-	
4 DZ503	0403-000734	DIODE-ZENER;TZP15B,14.7-16.5V,1000MW,DO-	
4 DZ564	0406-001106	DIODE-TVS;P6KE300A,285/-/315V,600W,DO-20	
4 DZ534	0406-001106	DIODE-TVS;P6KE300A,285/-/315V,600W,DO-20	
4 DZ504	0406-001106	DIODE-TVS;P6KE300A,285/-/315V,600W,DO-20	
4 Q502	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
4 Q561	0502-000006	TR-POWER;KSC1507,NPN,15W,TO-220,TP,120-	
4 Q531	0502-000006	TR-POWER;KSC1507,NPN,15W,TO-220,TP,120-	
4 Q501	0502-000006	TR-POWER;KSC1507,NPN,15W,TO-220,TP,120-	
4 R504	2001-000005	R-CARBON;390ohm,5%,1/8W,AA,TP,1.8x3.2mm	
4 R534	2001-000005	R-CARBON;390ohm,5%,1/8W,AA,TP,1.8x3.2mm	
4 R564	2001-000005	R-CARBON;390ohm,5%,1/8W,AA,TP,1.8x3.2mm	
4 R511	2001-000007	R-CARBON;3KOHM,5%,1/8W,AA,TP,1.8X3.2MM	

Loc. No.	Code No.	Description ; Specification	Remark
4 R516	2001-000009	R-CARBON;20KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 R546	2001-000009	R-CARBON;20KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 R576	2001-000009	R-CARBON;20KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 R584	2001-000028	R-CARBON(S);100OHM,5%,1/2W,AA,TP,2.4X6.4	
4 R554	2001-000028	R-CARBON(S);100OHM,5%,1/2W,AA,TP,2.4X6.4	
4 R524	2001-000028	R-CARBON(S);100OHM,5%,1/2W,AA,TP,2.4X6.4	
4 R580	2001-000066	R-CARBON(S);10KOHM,5%,1/2W,AA,TP,2.4X6.4	
4 R574	2001-000066	R-CARBON(S);10KOHM,5%,1/2W,AA,TP,2.4X6.4	
4 R550	2001-000066	R-CARBON(S);10KOHM,5%,1/2W,AA,TP,2.4X6.4	
4 R544	2001-000066	R-CARBON(S);10KOHM,5%,1/2W,AA,TP,2.4X6.4	
4 R520	2001-000066	R-CARBON(S);10KOHM,5%,1/2W,AA,TP,2.4X6.4	
4 R514	2001-000066	R-CARBON(S);10KOHM,5%,1/2W,AA,TP,2.4X6.4	
4 R577	2001-000085	R-CARBON(S);100KOHM,5%,1/2W,AA,TP,2.4X6.	
4 R547	2001-000085	R-CARBON(S);100KOHM,5%,1/2W,AA,TP,2.4X6.	
4 R517	2001-000085	R-CARBON(S);100KOHM,5%,1/2W,AA,TP,2.4X6.	
4 R366	2001-000109	R-CARBON(S);470OHM,5%,1/2W,AA,TP,2.4X6.4	
4 R502	2001-000221	R-CARBON;1.2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 R533	2001-000241	R-CARBON;1.5KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 R503	2001-000241	R-CARBON;1.5KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 R571	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 R541	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 R563	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 R562	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 R509	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 R565	2001-000527	R-CARBON;22OHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 R535	2001-000527	R-CARBON;22OHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 R505	2001-000527	R-CARBON;22OHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 R596	2001-000577	R-CARBON;2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 R586	2001-000577	R-CARBON;2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 R566	2001-000577	R-CARBON;2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 R556	2001-000577	R-CARBON;2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 R536	2001-000577	R-CARBON;2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 R506	2001-000577	R-CARBON;2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 R595	2001-000613	R-CARBON;3.9KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 R585	2001-000613	R-CARBON;3.9KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 R555	2001-000613	R-CARBON;3.9KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 R597	2001-000702	R-CARBON;39KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 R587	2001-000702	R-CARBON;39KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 R557	2001-000702	R-CARBON;39KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 R570	2001-000890	R-CARBON;6.8KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 R540	2001-000890	R-CARBON;6.8KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 R510	2001-000890	R-CARBON;6.8KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 R532	2001-000995	R-CARBON;820OHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 R528	2001-001015	R-CARBON;9.1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 R581	2001-001052	R-CARBON(S);1.5MOHM,5%,1/2W,AA,TP,2.4X6.	
4 R551	2001-001052	R-CARBON(S);1.5MOHM,5%,1/2W,AA,TP,2.4X6.	
4 R521	2001-001052	R-CARBON(S);1.5MOHM,5%,1/2W,AA,TP,2.4X6.	
4 R567	2001-001088	R-CARBON(S);1KOHM,5%,1/2W,AA,TP,2.4X6.4M	
4 R537	2001-001088	R-CARBON(S);1KOHM,5%,1/2W,AA,TP,2.4X6.4M	
4 R507	2001-001088	R-CARBON(S);1KOHM,5%,1/2W,AA,TP,2.4X6.4M	
4 R583	2002-001006	R-COMPOSITION;4.7KOHM,15%,1/2W,AA,TP,3.7	
4 R582	2002-001006	R-COMPOSITION;4.7KOHM,15%,1/2W,AA,TP,3.7	
4 R553	2002-001006	R-COMPOSITION;4.7KOHM,15%,1/2W,AA,TP,3.7	
4 R522	2002-001006	R-COMPOSITION;4.7KOHM,15%,1/2W,AA,TP,3.7	
4 R523	2002-001006	R-COMPOSITION;4.7KOHM,15%,1/2W,AA,TP,3.7	
4 R552	2002-001006	R-COMPOSITION;4.7KOHM,15%,1/2W,AA,TP,3.7	
4 R559	2002-001021	R-COMPOSITION;560KOHM,5%,1/2W,AA,TP,3.7X	
4 R578	2002-001021	R-COMPOSITION;560KOHM,5%,1/2W,AA,TP,3.7X	
4 R579	2002-001021	R-COMPOSITION;560KOHM,5%,1/2W,AA,TP,3.7X	
4 R589	2002-001021	R-COMPOSITION;560KOHM,5%,1/2W,AA,TP,3.7X	
4 R549	2002-001021	R-COMPOSITION;560KOHM,5%,1/2W,AA,TP,3.7X	
4 R518	2002-001021	R-COMPOSITION;560KOHM,5%,1/2W,AA,TP,3.7X	
4 R519	2002-001021	R-COMPOSITION;560KOHM,5%,1/2W,AA,TP,3.7X	
4 R529	2002-001021	R-COMPOSITION;560KOHM,5%,1/2W,AA,TP,3.7X	
4 R548	2002-001021	R-COMPOSITION;560KOHM,5%,1/2W,AA,TP,3.7X	
4 R572	2003-000654	R-METAL OXIDE(S);33Kohm,5%,2W,AA,TP,4.3x	
4 R542	2003-000654	R-METAL OXIDE(S);33Kohm,5%,2W,AA,TP,4.3x	
4 R512	2003-000654	R-METAL OXIDE(S);33Kohm,5%,2W,AA,TP,4.3x	
4 R508	2003-000706	R-METAL OXIDE(S);47Kohm,5%,2W,AA,TP,4.3x	
4 R538	2003-000706	R-METAL OXIDE(S);47Kohm,5%,2W,AA,TP,4.3x	
4 R568	2003-000706	R-METAL OXIDE(S);47Kohm,5%,2W,AA,TP,4.3x	
4 R526	2004-001893	R-METAL(S);22Kohm,1%,1/2W,AA,TP,2.5x6.5m	
4 R527	2004-004097	R-METAL;1.6Kohm,2%,1/2W,AA,TP,6.5x2.5m	
4 R543	2008-000206	R-FUSIBLE(S);1ohm,5%,1/2W,AF,TP,2.5x6.5m	
4 R513	2008-000206	R-FUSIBLE(S);1ohm,5%,1/2W,AF,TP,2.5x6.5m	
4 R599	2008-000299	R-FUSIBLE(S);47ohm,5%,2W,AF,TP,3.9x10mm	
4 R569	2008-000299	R-FUSIBLE(S);47ohm,5%,2W,AF,TP,3.9x10mm	

Loc. No.	Code No.	Description ; Specification	Remark
4 R539	2008-000299	R-FUSIBLE(S);47ohm,5%,2W,AF,TP,3.9x10mm	
4 C563	2201-000119	C-CERAMIC,DISC;100NF,+80-20%,50V,Y5V,TP,	
4 C533	2201-000119	C-CERAMIC,DISC;100NF,+80-20%,50V,Y5V,TP,	
4 C515	2201-000119	C-CERAMIC,DISC;100NF,+80-20%,50V,Y5V,TP,	
4 C503	2201-000119	C-CERAMIC,DISC;100NF,+80-20%,50V,Y5V,TP,	
4 C581	2201-000611	C-CERAMIC,DISC;0.056NF,5%,50V,C0G,TP,7X3	
4 C582	2201-000611	C-CERAMIC,DISC;0.056NF,5%,50V,C0G,TP,7X3	
4 C583	2201-000611	C-CERAMIC,DISC;0.056NF,5%,50V,C0G,TP,7X3	
4 C562	2201-000611	C-CERAMIC,DISC;0.056NF,5%,50V,C0G,TP,7X3	
4 C532	2201-000611	C-CERAMIC,DISC;0.056NF,5%,50V,C0G,TP,7X3	
4 C502	2201-000611	C-CERAMIC,DISC;0.056NF,5%,50V,C0G,TP,7X3	
4 C571	2201-000723	C-CERAMIC,DISC;4.7NF,20%,3KV,Y5U,TP,16X5	
4 C541	2201-000723	C-CERAMIC,DISC;4.7NF,20%,3KV,Y5U,TP,16X5	
4 C511	2201-000723	C-CERAMIC,DISC;4.7NF,20%,3KV,Y5U,TP,16X5	
4 C579	2201-000982	C-CERAMIC,DISC;10NF,+80-20%,50V,Y5V,TP,4	
4 C549	2201-000982	C-CERAMIC,DISC;10NF,+80-20%,50V,Y5V,TP,4	
4 C529	2201-000982	C-CERAMIC,DISC;10NF,+80-20%,50V,Y5V,TP,4	
4 C572	2201-000983	C-CERAMIC,DISC;1NF,10%,2KV,Y5P,TP,9X5MM,	
4 C542	2201-000983	C-CERAMIC,DISC;1NF,10%,2KV,Y5P,TP,9X5MM,	
4 C513	2201-000983	C-CERAMIC,DISC;1NF,10%,2KV,Y5P,TP,9X5MM,	
4 C567	2301-000213	C-FILM,LEAD-PEF;220nF,5%,250V,TP,21.5x11	
4 C537	2301-000213	C-FILM,LEAD-PEF;220nF,5%,250V,TP,21.5x11	
4 C507	2301-000213	C-FILM,LEAD-PEF;220nF,5%,250V,TP,21.5x11	
4 C505	2305-000149	C-FILM,LEAD-PEF;100nF,5%,100V,TP,12x12.5	
4 C535	2305-000149	C-FILM,LEAD-PEF;100nF,5%,100V,TP,12x12.5	
4 C565	2305-000149	C-FILM,LEAD-PEF;100nF,5%,100V,TP,12x12.5	
4 C512	2401-000133	C-AL;1000uF,20%,16V,GP,TP,10x20,5	
4 C570	2401-000430	C-AL;10uF,20%,250V,GP,TP,10x16mm,5m	
4 C540	2401-000430	C-AL;10uF,20%,250V,GP,TP,10x16mm,5m	
4 C510	2401-000430	C-AL;10uF,20%,250V,GP,TP,10x16mm,5m	
4 C580	2401-000689	C-AL;2200uF,20%,16V,GP,TP,13x25,5	
4 C566	2401-001527	C-AL;47uF,20%,250V,HR,TP,13x25mm,5m	
4 C536	2401-001527	C-AL;47uF,20%,250V,HR,TP,13x25mm,5m	
4 C506	2401-001527	C-AL;47uF,20%,250V,HR,TP,13x25mm,5m	
4 C564	2401-002619	C-AL;47uF,20%,25V,GP,TP,5x11,5	
4 C534	2401-002619	C-AL;47uF,20%,25V,GP,TP,5x11,5	
4 C504	2401-002619	C-AL;47uF,20%,25V,GP,TP,5x11,5	
4 L565	2701-000002	INDUCTOR-AXIAL;100UH,10%,4298	
4 L535	2701-000002	INDUCTOR-AXIAL;100UH,10%,4298	
4 L505	2701-000002	INDUCTOR-AXIAL;100UH,10%,4298	
4 L561	2701-000101	INDUCTOR-AXIAL;1.2UH,10%,2534	
4 L531	2701-000101	INDUCTOR-AXIAL;1.2UH,10%,2534	
4 L501	2701-000101	INDUCTOR-AXIAL;1.2UH,10%,2534	
4 SG535	4715-000106	SURGE ABSORBER;300V,210-390V,-,-,AXIAL	S.N.A
4 SG564	4715-000106	SURGE ABSORBER;300V,210-390V,-,-,AXIAL	S.N.A
4 SG565	4715-000106	SURGE ABSORBER;300V,210-390V,-,-,AXIAL	S.N.A
4 SG504	4715-000106	SURGE ABSORBER;300V,210-390V,-,-,AXIAL	S.N.A
4 SG505	4715-000106	SURGE ABSORBER;300V,210-390V,-,-,AXIAL	S.N.A
4 SG534	4715-000106	SURGE ABSORBER;300V,210-390V,-,-,AXIAL	S.N.A
4 SG536	4715-001064	SURGE ABSORBER;300V,20%,-,-,AXIAL	S.N.A
4 SG561	4715-001064	SURGE ABSORBER;300V,20%,-,-,AXIAL	S.N.A
4 SG563	4715-001064	SURGE ABSORBER;300V,20%,-,-,AXIAL	S.N.A
4 SG566	4715-001064	SURGE ABSORBER;300V,20%,-,-,AXIAL	S.N.A
4 SG533	4715-001064	SURGE ABSORBER;300V,20%,-,-,AXIAL	S.N.A
4 SG501	4715-001064	SURGE ABSORBER;300V,20%,-,-,AXIAL	S.N.A
4 SG503	4715-001064	SURGE ABSORBER;300V,20%,-,-,AXIAL	S.N.A
4 SG506	4715-001064	SURGE ABSORBER;300V,20%,-,-,AXIAL	S.N.A
4 SG531	4715-001064	SURGE ABSORBER;300V,20%,-,-,AXIAL	S.N.A
4 EL561	6042-000001	EYELET;ID2.2,OD2.7,L3.1,NI+SN,BSP3-1/2H	S.N.A
4 EL535	6042-000001	EYELET;ID2.2,OD2.7,L3.1,NI+SN,BSP3-1/2H	S.N.A
4 EL534	6042-000001	EYELET;ID2.2,OD2.7,L3.1,NI+SN,BSP3-1/2H	S.N.A
4 EL562	6042-000001	EYELET;ID2.2,OD2.7,L3.1,NI+SN,BSP3-1/2H	S.N.A
4 EL563	6042-000001	EYELET;ID2.2,OD2.7,L3.1,NI+SN,BSP3-1/2H	S.N.A
4 EL564	6042-000001	EYELET;ID2.2,OD2.7,L3.1,NI+SN,BSP3-1/2H	S.N.A
4 EL565	6042-000001	EYELET;ID2.2,OD2.7,L3.1,NI+SN,BSP3-1/2H	S.N.A
4 EL533	6042-000001	EYELET;ID2.2,OD2.7,L3.1,NI+SN,BSP3-1/2H	S.N.A
4 EL501	6042-000001	EYELET;ID2.2,OD2.7,L3.1,NI+SN,BSP3-1/2H	S.N.A
4 EL502	6042-000001	EYELET;ID2.2,OD2.7,L3.1,NI+SN,BSP3-1/2H	S.N.A
4 EL503	6042-000001	EYELET;ID2.2,OD2.7,L3.1,NI+SN,BSP3-1/2H	S.N.A
4 EL504	6042-000001	EYELET;ID2.2,OD2.7,L3.1,NI+SN,BSP3-1/2H	S.N.A
4 EL532	6042-000001	EYELET;ID2.2,OD2.7,L3.1,NI+SN,BSP3-1/2H	S.N.A
4 EL531	6042-000001	EYELET;ID2.2,OD2.7,L3.1,NI+SN,BSP3-1/2H	S.N.A
4 EL505	6042-000001	EYELET;ID2.2,OD2.7,L3.1,NI+SN,BSP3-1/2H	S.N.A
4 GT561	AA60-40014A	PIN-GT,ASSY;AUTO	S.N.A
4 GT539	AA60-40014A	PIN-GT,ASSY;AUTO	S.N.A
4 GT538	AA60-40014A	PIN-GT,ASSY;AUTO	S.N.A
4 GT537	AA60-40014A	PIN-GT,ASSY;AUTO	S.N.A

Loc. No.	Code No.	Description ; Specification	Remark
4 GT536	AA60-40014A	PIN-GT,ASSY;AUTO	S.N.A
4 GT562	AA60-40014A	PIN-GT,ASSY;AUTO	S.N.A
4 GT568	AA60-40014A	PIN-GT,ASSY;AUTO	S.N.A
4 GT567	AA60-40014A	PIN-GT,ASSY;AUTO	S.N.A
4 GT566	AA60-40014A	PIN-GT,ASSY;AUTO	S.N.A
4 GT565	AA60-40014A	PIN-GT,ASSY;AUTO	S.N.A
4 GT563	AA60-40014A	PIN-GT,ASSY;AUTO	S.N.A
4 GT506	AA60-40014A	PIN-GT,ASSY;AUTO	S.N.A
4 GT505	AA60-40014A	PIN-GT,ASSY;AUTO	S.N.A
4 GT503	AA60-40014A	PIN-GT,ASSY;AUTO	S.N.A
4 GT502	AA60-40014A	PIN-GT,ASSY;AUTO	S.N.A
4 GT501	AA60-40014A	PIN-GT,ASSY;AUTO	S.N.A
4 GT507	AA60-40014A	PIN-GT,ASSY;AUTO	S.N.A
4 GT535	AA60-40014A	PIN-GT,ASSY;AUTO	S.N.A
4 GT534	AA60-40014A	PIN-GT,ASSY;AUTO	S.N.A
4 GT533	AA60-40014A	PIN-GT,ASSY;AUTO	S.N.A
4 GT532	AA60-40014A	PIN-GT,ASSY;AUTO	S.N.A
4 GT531	AA60-40014A	PIN-GT,ASSY;AUTO	S.N.A
4 0	AA41-00779B	PCB CRT;SP47Q7HR,1L,A,1.6T,197x245,J57A,	S.N.A
4 R573	2008-001129	R-FUSIBLE(S);1.5ohm,5%,1/2W,AF,TP,2.5x6.	
4 RP501	2002-001102	R-COMPOSITION;510OHM,10%,1/2W,AA,TP,3.3X	
4 RP531	2002-001102	R-COMPOSITION;510OHM,10%,1/2W,AA,TP,3.3X	
4 RP561	2002-001102	R-COMPOSITION;510OHM,10%,1/2W,AA,TP,3.3X	
4 R515	2002-000107	R-COMPOSITION;100ohm,10%,1/2W,AA,TP,3.5x	
4 R545	2002-000107	R-COMPOSITION;100ohm,10%,1/2W,AA,TP,3.5x	
4 R575	2002-000107	R-COMPOSITION;100ohm,10%,1/2W,AA,TP,3.5x	
4 SG502	AA27-90001B	COIL-SPARK,GAP;S-23,1.5KV,-,-,-,-,-,-,-,	
4 SG532	AA27-90001B	COIL-SPARK,GAP;S-23,1.5KV,-,-,-,-,-,-,-,	
4 SG562	AA27-90001B	COIL-SPARK,GAP;S-23,1.5KV,-,-,-,-,-,-,-,	
3 CNW503	MD39-00074B	LEAD CONNECTOR;P57A/SVP-55W9HT,UL1007#26	
3 CNW502	MD39-00074B	LEAD CONNECTOR;P57A/SVP-55W9HT,UL1007#26	
2	BP94-00967A	ASSY PCB MISC-SENSOR;BP94-00134E,SENSOR	
3	0202-001366	SOLDER-WIRE FLUX;-,RS60S,D1.2,63Sn/37Pb,	S.N.A
3 CN01	3711-000447	CONNECTOR-HEADER;BOX,3P,1R,2.5MM,ANGLE,-	
3	BP97-00456E	ASSY SMD-SENSOR;SENSOR,ALL	S.N.A
4	0202-001376	SOLDER-CREAM;RX3603-2330HO,S45A,PASTE,Sn	S.N.A
4 Q01	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	
4 R03	2007-000109	R-CHIP;1Mohm,5%,1/10W,TP,1608	
4 R02	2007-000109	R-CHIP;1Mohm,5%,1/10W,TP,1608	
4 R01	2007-000305	R-CHIP;10Mohm,5%,1/10W,TP,1608	
4	AA41-00853B	PCB SENSOR;SENSOR,FR-4,2,1.6T,245*245,10	S.N.A
4 D01	BP32-00001A	SENSOR PHOTO;BCS5030G1,-40 TO +85,0.42 U	
2 T0097	BP94-01179A	ASSY PCB MISC-PWR DEF;SP43T9HRX/XSE,J57A	
3	0202-001366	SOLDER-WIRE FLUX;-,RS60S,D1.2,63Sn/37Pb,	S.N.A
3 D464	0402-000233	DIODE-RECTIFIER;FML-G12S,200V,5A,-,-	
3 D831	0402-000250	DIODE-RECTIFIER;RG4C,1KV,2A,-,-	
3 DZS801	0406-001007	DIODE-TVS;P6KE180A,171/180/189V,600W,CAS	
3 Q423	0502-000405	TR-POWER;KSC5039,NPN,70000MW,TO-220,BK,1	
3 Q422	0505-001116	FET-SILICON;BUZ73A,N,200V,22A,0.6ohm,40W	
3 Q472	0505-001116	FET-SILICON;BUZ73A,N,200V,22A,0.6ohm,40W	
3 PC801S	0604-001032	PHOTO-COUPLER;TR,170-260%,300mW,DIP-4,ST	
3 PC802S	0604-001032	PHOTO-COUPLER;TR,170-260%,300mW,DIP-4,ST	
3 IC431	1201-000191	IC-OP AMP;4558,DIP,8P,300MIL,DUAL,20V/mV	
3 IC430	1203-000162	IC-POSI.ADJUST REG.;317,TO-220,3P,-,PLAS	
3 IC471	1203-000610	IC-PWM CONTROLLER;494,DIP,16P,300MIL,PLA	
3 ICS801	1203-002177	IC-PWM CONTROLLER;VIPER12ADIP,DIP,8P,300	
3 T0900	1404-001195	THERMISTOR-NTC;5.1ohm,15%,2900,27mW/C,BK	
⚠ 3 NT801S	1404-001195	THERMISTOR-NTC;5.1ohm,15%,2900,27mW/C,BK	
⚠ 3 NT802S	1404-001195	THERMISTOR-NTC;5.1ohm,15%,2900,27mW/C,BK	
⚠ 3 CY801S	2201-000446	C-CERAMIC,DISC;3.3NF,20%,400V,Y5U,BK,15X	
⚠ 3 CY802S	2201-000446	C-CERAMIC,DISC;3.3NF,20%,400V,Y5U,BK,15X	
⚠ 3 CY805S	2201-000446	C-CERAMIC,DISC;3.3NF,20%,400V,Y5U,BK,15X	
⚠ 3 CY806S	2201-000446	C-CERAMIC,DISC;3.3NF,20%,400V,Y5U,BK,15X	
⚠ 3 CY803S	2201-000963	C-CERAMIC,DISC;1NF,20%,400V,Y5U,TP,9.5X6	
⚠ 3 CY804S	2201-000963	C-CERAMIC,DISC;1NF,20%,400V,Y5U,TP,9.5X6	
⚠ 3 CR471S	2301-001091	C-FILM,LEAD-PPF;470NF,5%,400V,BK,26X21.5	
⚠ 3 CR430S	2301-001343	C-FILM,LEAD-PPF;3.9NF,5%,2KV,BK,29X9.5X1	
⚠ 3 CR431S	2301-001343	C-FILM,LEAD-PPF;3.9NF,5%,2KV,BK,29X9.5X1	
3 C429	2305-000407	C-FILM,LEAD-PEF;470nF,5%,100V,TP,-,5mm	
⚠ 3 CX801S	2306-000112	C-FILM,LEAD-PPF;100nF,20%,250V,BK,-,15mm	
⚠ 3 CR436S	2306-000188	C-FILM,LEAD-PPF;330NF,5%,400V,BK,26X19.5	
⚠ 3 CX802S	2306-000321	C-FILM,LEAD-PPF;470NF,20%,275V,BK,31X11X	
3 C491	2306-000322	C-FILM,LEAD-PPF;12NF,5%,1.6KV,BK,29X20.5	
3 C832	2306-000323	C-FILM,LEAD-PPF;2.2NF,5%,1.6KV,BK,23X9X1	
⚠ 3 CR473S	2306-000324	C-FILM,LEAD-PPF;3.3NF,5%,1.6KV,BK,28.5X7	
⚠ 3 CR474S	2306-000326	C-FILM,LEAD-PPF;4.7NF,5%,1.6KV,BK,28.5X1	
3 C864	2401-000787	C-AL;220uF,20%,160V,GP,BK,16x31.5mm,7.5	

Loc. No.	Code No.	Description ; Specification	Remark
3 C451	2401-000787	C-AL;220uF,20%,160V,GP,BK,16x31.5mm,7.5	
3 C863	2401-002251	C-AL;470uF,20%,200V,GP,BK,25x40mm,1	
3 C854	2401-003076	C-AL;3300UF,20%,50V,WT,BK,18X35.5MM,7.5	
3 C856	2401-003076	C-AL;3300UF,20%,50V,WT,BK,18X35.5MM,7.5	
3 C816	2401-003465	C-AL;680UF,20%,450V,GP,BK,35X60MM,22.5	
3 C817	2401-003465	C-AL;680UF,20%,450V,GP,BK,35X60MM,22.5	
⚠ 3 FP801S	3601-001007	FUSE-CARTRIDGE;250V,6.3A,TIME-LAG,GLASS,	
3 CN801	3711-000616	CONNECTOR-HEADER;BOX,11P,1R,2.5mm,STRAIG	
3 CN802	3711-000654	CONNECTOR-HEADER;BOX,12P,1R,2.5mm,STRAIG	
3 CN401	3711-001084	CONNECTOR-HEADER;BOX,8P,1R,2.5mm,STRAIGH	
3 CN803	3711-001084	CONNECTOR-HEADER;BOX,8P,1R,2.5mm,STRAIGH	
⚠ 3 PD811S	3711-004721	CONNECTOR-HEADER;3WALL,2P,1R,12.5mm,STRA	
⚠ 3 IC851	AA13-20004H	IC HYBRID;-,SE135N-LF12,TO220-LF12,3,ERR	
⚠ 3 T432	AA26-00012A	TRANS-DUMMY;-,-,-,-,-,-,-,-,-,-,-,-,EER4	
⚠ 3 T481	AA26-00091B	TRANS-HV STORAGE;EER3541,AC220V,50/60HZ,	
⚠ 3 T444S	AA26-00148A	TRANS FBT;FUW50A001(S),SVP-403J,0.35MH,1	
⚠ 3 T431	AA26-50001S	TRANS-HORIZ.DRIVE;-,-,-,6.0mH,-,-,44uH,-	
⚠ 3 T461	AA26-50001V	TRANS-HORIZ.DRIVE;-,-,-,6.0mH,-,-,113uH,	
⚠ 3 LR401S	AA27-00207A	COIL LINEARITY;4.3UH,4.3UH,DR1415 C6.0,1	
3 L862	AA27-10001C	COIL CHOKE;-,100uH,K,-,5.0A,ST,700UH-K(R	
3 L863	AA27-10001C	COIL CHOKE;-,100uH,K,-,5.0A,ST,700UH-K(R	
3 L864	AA27-10002L	COIL CHOKE;-,24uH,K,-,2A,-,24UH-K,10x10m	
3 L432	AA27-40001U	COIL HORIZ. WIDTH;-,220uH,DR1420,PI0.12x	
⚠ 3 LX801S	AA29-30002L	FILTER LINE NOISE;-,10mHMIN,5A,AC90~260V	
⚠ 3 LX802S	AA29-30002M	FILTER LINE NOISE;-,1mHMIN,5A,AC90~260V,	
⚠ 3 LX803S	AA29-30002M	FILTER LINE NOISE;-,1mHMIN,5A,AC90~260V,	
⚠ 3 LX804S	AA29-30002M	FILTER LINE NOISE;-,1mHMIN,5A,AC90~260V,	
3 GT404	AA60-40012D	PIN-GT,ASSY;T1.6,6-12.5-,NYLON66	S.N.A
⚠ 3 D856	AA96-00243E	ASSY H/S;-,SOUND,AA62-00045A,FMG-G26S	S.N.A
4	0205-001153	GREASE-SILICON;SC102,JAPAN,-	S.N.A
4 T0083	0402-000231	DIODE-RECTIFIER;FMG-G26S,600V,4A,TO-220F	
4 T0081	6003-000335	SCREW-TAPTITE;RH,+,2S,M3,L8,ZPC(YEL),SWR	S.N.A
4	AA62-00045A	HEAT SINK-PS;-,-,T1.0,-,-,DREAM,-,-,-,-,	S.N.A
3 Q433	AA96-00243H	ASSY H/S;-,POWER,AA62-00045A,KSD73Y,C17A	S.N.A
4	0205-001153	GREASE-SILICON;SC102,JAPAN,-	S.N.A
4 T0090	0502-000298	TR-POWER;KSD73,NPN,30000mW,TO-220,TP,120	
4 T0081	6003-000335	SCREW-TAPTITE;RH,+,2S,M3,L8,ZPC(YEL),SWR	S.N.A
4	AA62-00045A	HEAT SINK-PS;-,-,T1.0,-,-,DREAM,-,-,-,-,	S.N.A
⚠ 3 D801S	AA96-00276A	ASSY H/S;-,BRIDGE,AA62-00052A,RBV606,WAS	S.N.A
4	0205-001153	GREASE-SILICON;SC102,JAPAN,-	S.N.A
4 T0083	0402-000549	DIODE-BRIDGE;RBV606,600V,6A,SIP-4,BK	
4 T0081	6003-000335	SCREW-TAPTITE;RH,+,2S,M3,L8,ZPC(YEL),SWR	S.N.A
4	AA60-30003A	WASHER;T1.5,SBHG-1	S.N.A
4	AA62-00052A	HEAT SINK-PS;-,-,-,SILVER,HOLE 18.5mm, 2	S.N.A
3 IC421	AA96-00475B	ASSY H/S;SILICON-OIL,FMLG-12S(4),AA62-00	S.N.A
4	0205-001153	GREASE-SILICON;SC102,JAPAN,-	S.N.A
4 T0083	0402-000233	DIODE-RECTIFIER;FML-G12S,200V,5A,-,-	
4 IC012	1203-000165	IC-POSI.ADJUST REG.;78R12,TO-220,4P,-,PL	
4 T0081	6003-000334	SCREW-TAPTITE;RH,+,2S,M3,L6,ZPC(YEL),SWR	S.N.A
4	AA62-00066B	HEAT SINK;D2,D3,AL ,T1.0,89,70,-,AA62-00	S.N.A
3 IC301	AA96-00623A	ASSY H/S;-,POWER,AA62-00056A,LA7845	S.N.A
4	0205-001153	GREASE-SILICON;SC102,JAPAN,-	S.N.A
4 T0088	1204-000517	IC-VERTICAL DEF.;LA7845,SIP,7P,-,PLASTIC	
4 T0081	6003-000334	SCREW-TAPTITE;RH,+,2S,M3,L6,ZPC(YEL),SWR	S.N.A
4	AA62-00056A	HEAT SINK-PS;-,-,T1.0,-,41*35*70,D2,-,-,	S.N.A
3 TS801S	BP26-00001A	TRANS SWITCHING-POWER;19B012,P55A,HCM421	
3 GTW404	BP39-00017A	LEAD CONNECTOR;P55A/HCM4215W,UL1617#22,U	
4 T0121	3301-001201	CORE-FERRITE;AE,21x11x32mm,1500,280G	
3 CNW801	BP39-00054F	LEAD CONNECTOR;P57A,UL1007#26,UL/CSA,11P	
3 CN201	BP39-00057A	LEAD CONNECTOR;P57A/SVP-55WHT,UL1007#26,	
⚠ 3 IC831S	BP96-00159C	ASSY HEAT SINK P;BP62-00015A,SCREW,STR-X	S.N.A
4 CIS	0205-001154	OIL-SILICON;G746,-,-	S.N.A
4 T0081	6003-000333	SCREW-TAPTITE;RH,+,2S,M3,L10,ZPC(YEL),SW	S.N.A
4 IC063	BP13-00004A	IC HYBRID;STR-X6459A,COMMANDO,7,-20 TO +	
4 CIS	BP62-00015A	HEAT SINK-PS;WT-36Z4HR,A1050S,T2.0,86,80	S.N.A
3 Q473	BP96-00335F	ASSY HEAT SINK P;BP62-00035A,SCREW,2SC41	S.N.A
4 H/S	0205-001154	OIL-SILICON;G746,-,-	S.N.A
4 H/S	0502-001100	TR-POWER;2SC4125,NPN,70W,TO-3PML,BK,8-	
4 H/S	0505-001837	FET-SILICON;IRFS654B,N,250V,21A,0.14ohm,	
4 H/S	6003-000333	SCREW-TAPTITE;RH,+,2S,M3,L10,ZPC(YEL),SW	S.N.A
4 H/S	AA60-30001A	WASHER-PLATE;M3,ID3.5,15X8.5,T1.0,SBHG	S.N.A
4 H/S	BP62-00035A	HEAT SINK-PS;P57A,A1050S,T2.0,12.5,66,H8	S.N.A
3	BP97-00719A	ASSY AUTO;SP43T9HRX/XSE,J57A	S.N.A
4 D301	0401-000005	DIODE-SWITCHING;1N4148,75V,150MA,DO-35,T	
4 D383	0401-000005	DIODE-SWITCHING;1N4148,75V,150MA,DO-35,T	
4 D385	0401-000005	DIODE-SWITCHING;1N4148,75V,150MA,DO-35,T	
4 D401	0401-000005	DIODE-SWITCHING;1N4148,75V,150MA,DO-35,T	

Loc. No.	Code No.	Description ; Specification	Remark
4 D436	0401-000005	DIODE-SWITCHING;1N4148,75V,150MA,DO-35,T	
4 D442	0401-000005	DIODE-SWITCHING;1N4148,75V,150MA,DO-35,T	
4 D443	0401-000005	DIODE-SWITCHING;1N4148,75V,150MA,DO-35,T	
4 D461	0401-000005	DIODE-SWITCHING;1N4148,75V,150MA,DO-35,T	
4 D477	0401-000005	DIODE-SWITCHING;1N4148,75V,150MA,DO-35,T	
4 D478	0401-000005	DIODE-SWITCHING;1N4148,75V,150MA,DO-35,T	
4 D479	0401-000005	DIODE-SWITCHING;1N4148,75V,150MA,DO-35,T	
⚠ 4 DR401S	0401-000005	DIODE-SWITCHING;1N4148,75V,150MA,DO-35,T	
⚠ 4 DR402S	0401-000005	DIODE-SWITCHING;1N4148,75V,150MA,DO-35,T	
4 DS802	0401-000006	DIODE-SWITCHING;BAV21,250V,200MA,DO-35,T	
4 DS804	0401-000006	DIODE-SWITCHING;BAV21,250V,200MA,DO-35,T	
4 D384	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP	
4 D435	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP	
4 D480	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP	
4 D484	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP	
4 D501	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP	
⚠ 4 D857	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP	
4 DS801	0402-000254	DIODE-RECTIFIER;RGP10J,600V,1A,DO-41,TP	
⚠ 4 D851	0402-000493	DIODE-RECTIFIER;1R5GU41,400V,1.5A,DO-15L	
4 D440	0402-000534	DIODE-RECTIFIER;RG10V,400V,1.2A,DO-201,T	
4 D441	0402-000534	DIODE-RECTIFIER;RG10V,400V,1.2A,DO-201,T	
4 D445	0402-000534	DIODE-RECTIFIER;RG10V,400V,1.2A,DO-201,T	
4 D451	0402-000534	DIODE-RECTIFIER;RG10V,400V,1.2A,DO-201,T	
4 D433	0402-000537	DIODE-RECTIFIER;RH1A,600V,0.6A,DO-204AC	
4 D302	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
4 D431	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
4 D472	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
4 D474	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
⚠ 4 D843	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
4 DS806	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
4 D453	0402-001286	DIODE-RECTIFIER;RP1H,2000V,0.1A,TO-3P,TP	
4 DZ852	0403-000698	DIODE-ZENER;TZP12A,5%,1000MW,DO-41,TP	
4 DZ410	0403-000701	DIODE-ZENER;TZP5.1A,5%,1000MW,DO-41,TP	
4 DZ473	0403-000704	DIODE-ZENER;TZP7.5B,7.5-8.4V,1000MW,DO-4	
4 DZ831	0403-000716	DIODE-ZENER;MTZJ4.7B,4.59-4.77V,500MW,DO	
⚠ 4 DZ482S	0403-000720	DIODE-ZENER;MTZJ9.1B,8.57-9.01V,500MW,DO	
4 DZ483	0403-000720	DIODE-ZENER;MTZJ9.1B,8.57-9.01V,500MW,DO	
4 DZ474	0403-000734	DIODE-ZENER;TZP15B,14.7-16.5V,1000MW,DO-	
4 DZ804	0403-001167	DIODE-ZENER;MTZJ30D,29.02-30.51V,500MW,D	
4 DZ386	0403-001316	DIODE-ZENER;MTZJ3.0A,2.85-3.07V,500MW,DO	
4 DZ395	0403-001319	DIODE-ZENER;MTZJ4.7C,4.68-4.93V,500MW,DO	
4 DZ413	0403-001319	DIODE-ZENER;MTZJ4.7C,4.68-4.93V,500MW,DO	
⚠ 4 DR404S	0403-001325	DIODE-ZENER;MTZJ15C,14.42-15.02V,500MW,D	
4 DZ400	0403-001325	DIODE-ZENER;MTZJ15C,14.42-15.02V,500MW,D	
4 DZ851	0403-001325	DIODE-ZENER;MTZJ15C,14.42-15.02V,500MW,D	
4 DZ481	0403-001327	DIODE-ZENER;MTZJ18A,16.22-17.06V,500MW,D	
4 DZS803	0403-001328	DIODE-ZENER;MTZJ22A,20.15-21.2V,500MW,DO	
4 DZ301	0403-001329	DIODE-ZENER;MTZJ24B,22.75-23.73V,500MW,D	
4 DZ304	0403-001329	DIODE-ZENER;MTZJ24B,22.75-23.73V,500MW,D	
4 DZ305	0403-001329	DIODE-ZENER;MTZJ24B,22.75-23.73V,500MW,D	
4 DZ307	0403-001329	DIODE-ZENER;MTZJ24B,22.75-23.73V,500MW,D	
4 DZ306	0403-001330	DIODE-ZENER;MTZJ30A,26.99-28.39V,500MW,D	
4 DZS804	0403-001330	DIODE-ZENER;MTZJ30A,26.99-28.39V,500MW,D	
4 DS805	0404-001056	DIODE-SCHOTTKY;RK16,60V,1500MA,DO-204AC,	
4 Q432	0501-000283	TR-SMALL SIGNAL;KSA539,PNP,400mW,TO-92,T	
4 Q482	0501-000283	TR-SMALL SIGNAL;KSA539,PNP,400mW,TO-92,T	
⚠ 4 QR401S	0501-000283	TR-SMALL SIGNAL;KSA539,PNP,400mW,TO-92,T	
4 Q301	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
4 Q381	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
4 Q382	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
4 Q451	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
4 Q461	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
4 Q474	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
4 Q481	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
4 Q851	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
4 QS802	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
⚠ 4 ICR01S	1203-001217	IC-POSI.ADJUST REG.;431,TO-92,3P,4.58MIL	
⚠ 4 VP801S	1405-000152	VARISTOR;560V,2500A,14x8.5mm,TP	
⚠ 4 VX801S	1405-000187	VARISTOR;750V,1250A,12.5x7mm,TP	
4 R418	2001-000003	R-CARBON;330ohm,5%,1/8W,AA,TP,1.8x3.2mm	
⚠ 4 RR409S	2001-000005	R-CARBON;390ohm,5%,1/8W,AA,TP,1.8x3.2mm	
4 R387	2001-000009	R-CARBON;20KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 R474	2001-000009	R-CARBON;20KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 R308	2001-000016	R-CARBON(S);1OHM,5%,1/2W,AA,TP,2.4X6.4MM	
4 R470	2001-000028	R-CARBON(S);100OHM,5%,1/2W,AA,TP,2.4X6.4	
4 R836	2001-000052	R-CARBON(S);3.3KOHM,5%,1/2W,AA,TP,2.4X6.	
4 R864	2001-000066	R-CARBON(S);10KOHM,5%,1/2W,AA,TP,2.4X6.4	
4 RS808	2001-000066	R-CARBON(S);10KOHM,5%,1/2W,AA,TP,2.4X6.4	
4 R866	2001-000085	R-CARBON(S);100KOHM,5%,1/2W,AA,TP,2.4X6.	
4 RS803	2001-000085	R-CARBON(S);100KOHM,5%,1/2W,AA,TP,2.4X6.	
4 R834	2001-000109	R-CARBON(S);470OHM,5%,1/2W,AA,TP,2.4X6.4	
4 R385	2001-000258	R-CARBON;1.8KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 R448	2001-000258	R-CARBON;1.8KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 R488	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 R312	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 R852	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
⚠ 4 RR410S	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 RS804	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 R461	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 R483	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 R484	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
⚠ 4 RR407S	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 RS807	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
⚠ 4 RR408S	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 R495	2001-000454	R-CARBON;2.2MOHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 R492	2001-000508	R-CARBON;220KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 R388	2001-000522	R-CARBON;22KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 R397	2001-000554	R-CARBON;270OHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 R412	2001-000554	R-CARBON;270OHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 R401	2001-000577	R-CARBON;2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 R402	2001-000577	R-CARBON;2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 R435	2001-000591	R-CARBON;3.3KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 R475	2001-000591	R-CARBON;3.3KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 R446	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 R494	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 R857	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 R313	2001-000761	R-CARBON;430OHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 R314	2001-000761	R-CARBON;430OHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 R454	2001-000761	R-CARBON;430OHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 R455	2001-000761	R-CARBON;430OHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 R456	2001-000761	R-CARBON;430OHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 R386	2001-000786	R-CARBON;47KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 R489	2001-000800	R-CARBON;5.1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 R490	2001-000800	R-CARBON;5.1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 R487	2001-000890	R-CARBON;6.8KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 RS806	2001-000890	R-CARBON;6.8KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 R482	2001-001031	R-CARBON;91KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 R811	2001-001047	R-CARBON(S);1.2MOHM,5%,1/2W,AA,TP,2.4X6.	
4 R814	2001-001047	R-CARBON(S);1.2MOHM,5%,1/2W,AA,TP,2.4X6.	
4 R837	2001-001071	R-CARBON(S);12KOHM,5%,1/2W,AA,TP,2.4X6.4	
4 R839	2001-001088	R-CARBON(S);1KOHM,5%,1/2W,AA,TP,2.4X6.4M	
4 R854	2001-001088	R-CARBON(S);1KOHM,5%,1/2W,AA,TP,2.4X6.4M	
4 R855	2001-001088	R-CARBON(S);1KOHM,5%,1/2W,AA,TP,2.4X6.4M	
4 R859	2001-001088	R-CARBON(S);1KOHM,5%,1/2W,AA,TP,2.4X6.4M	
4 R865	2001-001088	R-CARBON(S);1KOHM,5%,1/2W,AA,TP,2.4X6.4M	
⚠ 4 RR401S	2001-001088	R-CARBON(S);1KOHM,5%,1/2W,AA,TP,2.4X6.4M	
4 R384	2001-001106	R-CARBON(S);220KOHM,5%,1/2W,AA,TP,2.4X6.	
4 R439	2001-001106	R-CARBON(S);220KOHM,5%,1/2W,AA,TP,2.4X6.	
4 R438	2001-001110	R-CARBON(S);240KOHM,5%,1/2W,AA,TP,2.4X6.	
4 R405	2001-001111	R-CARBON(S);240OHM,5%,1/2W,AA,TP,2.4X6.4	
4 R468	2001-001122	R-CARBON(S);3.9KOHM,5%,1/2W,AA,TP,2.4X6.	
4 R861	2001-001122	R-CARBON(S);3.9KOHM,5%,1/2W,AA,TP,2.4X6.	
4 R862	2001-001122	R-CARBON(S);3.9KOHM,5%,1/2W,AA,TP,2.4X6.	
4 RS802	2001-001124	R-CARBON(S);3.9OHM,5%,1/2W,AA,TP,2.4X6.4	
4 R427	2001-001153	R-CARBON(S);47OHM,5%,1/2W,AA,TP,2.4X6.4M	
4 R427A	2001-001153	R-CARBON(S);47OHM,5%,1/2W,AA,TP,2.4X6.4M	
4 R410	2001-001155	R-CARBON(S);5.6KOHM,5%,1/2W,AA,TP,2.4X6.	
4 R433	2001-001155	R-CARBON(S);5.6KOHM,5%,1/2W,AA,TP,2.4X6.	
⚠ 4 RP801S	2002-001010	R-COMPOSITION;1.8Mohm,5%,1/2W,AA,TP,3.7x	
⚠ 4 RX801S	2002-001010	R-COMPOSITION;1.8Mohm,5%,1/2W,AA,TP,3.7x	
⚠ 4 RY801S	2002-001012	R-COMPOSITION;8.2Mohm,5%,1/2W,AA,TP,3.7x	
4 R428	2002-001017	R-COMPOSITION;1Kohm,10%,1/2W,AA,TP,3.7x9	
4 R428A	2002-001017	R-COMPOSITION;1Kohm,10%,1/2W,AA,TP,3.7x9	
4 R462	2003-000458	R-METAL OXIDE(S);100ohm,5%,2W,AF,TP,4x12	
4 R462A	2003-000458	R-METAL OXIDE(S);100ohm,5%,2W,AF,TP,4x12	
4 R429	2003-000586	R-METAL OXIDE(S);22Kohm,5%,2W,AF,TP,4x12	
4 R430	2003-000586	R-METAL OXIDE(S);22Kohm,5%,2W,AF,TP,4x12	
4 R801	2003-000713	R-METAL OXIDE(S);47ohm,5%,2W,AF,TP,4x12m	
4 R463	2003-001024	R-METAL OXIDE(S);150ohm,5%,2W,AF,TP,3.9x	
4 R310	2003-002037	R-METAL OXIDE(S);270ohm,5%,2W,AF,TP,3.9x	
4 R424	2003-002069	R-METAL OXIDE;470ohm,5%,2W,AF,TP,3.9x10m	
4 R425	2003-002069	R-METAL OXIDE;470ohm,5%,2W,AF,TP,3.9x10m	
4 R858	2003-002102	R-METAL OXIDE(S);68Kohm,5%,2W,AF,TP,4x12	
4 R443	2003-002156	R-METAL OXIDE;560OHM,5%,2W,AG,TP,6X16MM	

Loc. No.	Code No.	Description ; Specification	Remark
4 R443A	2003-002156	R-METAL OXIDE;560OHM,5%,2W,AG,TP,6X16MM	
4 R464	2003-002158	R-METAL OXIDE;0.68OHM,5%,1W,AG,TP,4.3X12	
4 R831	2003-002206	R-METAL OXIDE(S);27Kohm,5%,3W,AG,TP,6x16	
4 R832	2003-002206	R-METAL OXIDE(S);27Kohm,5%,3W,AG,TP,6x16	
4 R436	2003-002288	R-METAL OXIDE(S);2.2KOHM,5%,2W,AF,TP,3.9	
4 R408	2004-000580	R-METAL;22Kohm,1%,1/4W,AA,TP,2.4x6.4mm	
4 R426	2004-001368	R-METAL(S);0.47ohm,10%,1/2W,AA,TP,2.4x6.	
4 R426A	2004-001368	R-METAL(S);0.47ohm,10%,1/2W,AA,TP,2.4x6.	
4 R473	2004-001395	R-METAL(S);330Kohm,2%,1/2W,AA,TP,2.4x6.4	
⚠ 4 RR406S	2004-001892	R-METAL(S);162Kohm,1%,1/2W,AA,TP,2.5x6.5	
⚠ 4 RR411S	2004-001892	R-METAL(S);162Kohm,1%,1/2W,AA,TP,2.5x6.5	
4 R301	2004-001897	R-METAL(S);43.2Kohm,1%,1/2W,AA,TP,2.5x6.	
4 R302	2004-001897	R-METAL(S);43.2Kohm,1%,1/2W,AA,TP,2.5x6.	
4 R407	2004-001897	R-METAL(S);43.2Kohm,1%,1/2W,AA,TP,2.5x6.	
4 R404	2004-001971	R-METAL(S);6.2Kohm,1%,1/2W,AA,TP,2.5x6.5	
4 R406	2004-001983	R-METAL(S);2.49Kohm,1%,1/2W,AA,TP,2.4x6.	
4 R303	2004-001984	R-METAL(S);26.7Kohm,1%,1/2W,AA,TP,2.4x6.	
4 R305	2004-001984	R-METAL(S);26.7Kohm,1%,1/2W,AA,TP,2.4x6.	
4 R466	2004-001984	R-METAL(S);26.7Kohm,1%,1/2W,AA,TP,2.4x6.	
4 R471	2004-002011	R-METAL(S);110Kohm,1%,1/2W,AA,TP,2.4x6.4	
⚠ 4 RR403S	2004-004001	R-METAL(S);180Kohm,1%,1/2W,AA,TP,2.5x6.5	
4 R501	2004-004029	R-METAL(S);10Kohm,1%,1/2W,AA,TP,2.5x6.5m	
⚠ 4 RR404S	2004-004046	R-METAL(S);430Kohm,1%,1/2W,AA,TP,2.5x6.5	
⚠ 4 RR405S	2004-004046	R-METAL(S);430Kohm,1%,1/2W,AA,TP,2.5x6.5	
4 R502	2004-004366	R-METAL(S);1.3Kohm,1%,1/2W,AA,TP,2.5x6.5	
4 R467	2004-005054	R-METAL(S);39KOHM,1%,1/2W,AA,TP,2.4X6.4M	
4 R409	2004-005059	R-METAL(S);2.7KOHM,1%,1/2W,AA,TP,6.4X2.4	
4 R445	2008-000252	R-FUSIBLE(S);0.47ohm,10%,1/2W,AF,TP,2.5x	
4 R472	2008-000252	R-FUSIBLE(S);0.47ohm,10%,1/2W,AF,TP,2.5x	
4 R441	2008-000253	R-FUSIBLE(S);0.47ohm,5%,1W,AF,TP,3.9x10m	
4 R442	2008-000253	R-FUSIBLE(S);0.47ohm,5%,1W,AF,TP,3.9x10m	
4 R449	2008-000253	R-FUSIBLE(S);0.47ohm,5%,1W,AF,TP,3.9x10m	
4 R465	2008-000253	R-FUSIBLE(S);0.47ohm,5%,1W,AF,TP,3.9x10m	
4 R442A	2008-000254	R-FUSIBLE(S);0.68ohm,5%,2W,AF,TP,3.9x10m	
4 R447	2008-000254	R-FUSIBLE(S);0.68ohm,5%,2W,AF,TP,3.9x10m	
4 R486	2008-001018	R-FUSIBLE(S);0.47ohm,10%,2W,AF,TP,3.9x10	
4 R431	2008-001050	R-FUSIBLE;22ohm,5%,2W,AF,TP,3.9x10mm	
4 R306	2008-001076	R-FUSIBLE(S);1.8ohm,5%,2W,AF,TP,3.9x10mm	
4 R307	2008-001076	R-FUSIBLE(S);1.8ohm,5%,2W,AF,TP,3.9x10mm	
4 R437	2008-001076	R-FUSIBLE(S);1.8ohm,5%,2W,AF,TP,3.9x10mm	
4 R440	2008-001137	R-FUSIBLE(S);3.3ohm,5%,1W,AF,TP,3.9x10mm	
4 R485	2008-001137	R-FUSIBLE(S);3.3ohm,5%,1W,AF,TP,3.9x10mm	
4 R491	2008-001145	R-FUSIBLE;4.7OHM,5%,1/2W,AF,TP,2.5X6.5MM	
⚠ 4 RR471S	2103-001024	VR-SEMI;50Kohm,25%,0.3W,TOP	
⚠ 4 RR402S	2103-001086	VR-SEMI;100KOHM,25%,0.3W,TOP	
4 C302	2201-000017	C-CERAMIC,DISC;1NF,10%,50V,Y5P,TP,5X3.5M	
4 C304	2201-000017	C-CERAMIC,DISC;1NF,10%,50V,Y5P,TP,5X3.5M	
4 C833	2201-000017	C-CERAMIC,DISC;1NF,10%,50V,Y5P,TP,5X3.5M	
4 C428	2201-000119	C-CERAMIC,DISC;100NF,+80-20%,50V,Y5V,TP,	
4 C468	2201-000119	C-CERAMIC,DISC;100NF,+80-20%,50V,Y5V,TP,	
4 C490	2201-000119	C-CERAMIC,DISC;100NF,+80-20%,50V,Y5V,TP,	
4 CS804	2201-000119	C-CERAMIC,DISC;100NF,+80-20%,50V,Y5V,TP,	
4 CS809	2201-000119	C-CERAMIC,DISC;100NF,+80-20%,50V,Y5V,TP,	
4 C452	2201-000132	C-CERAMIC,DISC;0.1NF,10%,500V,Y5P,TP,6.5	
4 C455	2201-000132	C-CERAMIC,DISC;0.1NF,10%,500V,Y5P,TP,6.5	
4 C457	2201-000132	C-CERAMIC,DISC;0.1NF,10%,500V,Y5P,TP,6.5	
4 C459	2201-000132	C-CERAMIC,DISC;0.1NF,10%,500V,Y5P,TP,6.5	
4 C484	2201-000132	C-CERAMIC,DISC;0.1NF,10%,500V,Y5P,TP,6.5	
⚠ 4 CR402S	2201-000146	C-CERAMIC,DISC;0.1NF,5%,50V,SL,TP,5X3.5M	
⚠ 4 CR403S	2201-000146	C-CERAMIC,DISC;0.1NF,5%,50V,SL,TP,5X3.5M	
4 C469	2201-000180	C-CERAMIC,DISC;10NF,10%,50V,Y5V,TP,7X3MM	
4 C867	2201-000180	C-CERAMIC,DISC;10NF,10%,50V,Y5V,TP,7X3MM	
4 C801	2201-000234	C-CERAMIC,DISC;0.15NF,5%,50V,C0G,TP,9X3M	
4 C811	2201-000332	C-CERAMIC,DISC;2.2NF,20%,250V,Y5U,TP,9X4	
4 C812	2201-000332	C-CERAMIC,DISC;2.2NF,20%,250V,Y5U,TP,9X4	
4 C813	2201-000332	C-CERAMIC,DISC;2.2NF,20%,250V,Y5U,TP,9X4	
4 C406	2201-000370	C-CERAMIC,DISC;0.22NF,10%,50V,Y5P,TP,4X3	
4 C449	2201-000406	C-CERAMIC,DISC;0.27NF,10%,2KV,Y5P,TP,6.3	
4 C837	2201-000411	C-CERAMIC,DISC;0.27NF,10%,50V,Y5P,TP,4X3	
4 C853	2201-000551	C-CERAMIC,DISC;0.47NF,10%,1KV,Y5P,TP,6.3	
4 C855	2201-000551	C-CERAMIC,DISC;0.47NF,10%,1KV,Y5P,TP,6.3	
4 C857	2201-000551	C-CERAMIC,DISC;0.47NF,10%,1KV,Y5P,TP,6.3	
4 C859	2201-000551	C-CERAMIC,DISC;0.47NF,10%,1KV,Y5P,TP,6.3	
4 C881	2201-000551	C-CERAMIC,DISC;0.47NF,10%,1KV,Y5P,TP,6.3	
4 C405	2201-000558	C-CERAMIC,DISC;0.47NF,10%,50V,Y5P,TP,5X3	
4 C478	2301-000020	C-FILM,LEAD-PEF;27nF,5%,100V,TP,7.3x4x12	
4 C479	2301-000200	C-FILM,LEAD-PEF;2.2nF,5%,200V,TP,11.0x6.	
4 C477	2301-000213	C-FILM,LEAD-PEF;220nF,5%,250V,TP,21.5x11	
4 C414	2301-000356	C-FILM,LEAD-PEF;47nF,5%,50V,TP,7.5x4.0x6	
4 C412	2301-000383	C-FILM,LEAD-PEF;10nF,5%,50V,TP,6x7x3.2mm	
4 C831	2301-001216	C-FILM,LEAD-PPF;47nF,5%,630V,TP,20x14.5x	
4 C432	2303-000002	C-FILM,LEAD-PPF;8.2nF 5% 400V TP 19X18X7	
4 C438	2303-000002	C-FILM,LEAD-PPF;8.2nF 5% 400V TP 19X18X7	
4 C460	2303-000331	C-FILM,LEAD-PPF;4.7nF,5%,630V,TP,19.5x12	
4 C311	2305-000149	C-FILM,LEAD-PEF;100nF,5%,100V,TP,12x12.5	
4 C487	2305-000178	C-FILM,LEAD-PEF;10nF,5%,100V,TP,-,5mm	
4 C301	2305-000196	C-FILM,LEAD-PEF;150nF,5%,63V,TP,-,5mm	
4 C303	2305-000196	C-FILM,LEAD-PEF;150nF,5%,63V,TP,-,5mm	
4 C309	2305-000285	C-FILM,LEAD-PEF;220NF,5%,100V,TP,10.5X5.	
4 C871	2305-000289	C-FILM,LEAD-PEF;220nF,5%,63V,TP,-,5mm	
4 C838	2305-000411	C-FILM,LEAD-PEF;470nF,5%,50V,TP,7.3x4.8x	
4 C865	2305-000427	C-FILM,LEAD-PEF;47nF,5%,100V,TP,7.5x12.5	
4 C480	2306-000122	C-FILM,LEAD-PPF;100nF,5%,50V,TP,7.3x4.0x	
4 CS801	2306-000122	C-FILM,LEAD-PPF;100nF,5%,50V,TP,7.3x4.0x	
4 C489	2401-000025	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
4 C870	2401-000039	C-AL;1000uF,20%,16V,GP,TP,10x16,5	
4 C481	2401-000050	C-AL;10uF,20%,16V,GP,TP,5x11,2.5	
4 C869	2401-000164	C-AL;1000uF,20%,25V,WT,TP,12.5x20,5	
4 C472	2401-000262	C-AL;100uF,20%,160V,HR,TP,16x25,7.5	
4 C426	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
4 C868	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
4 C413	2401-000360	C-AL;100uF,20%,50V,GP,TP,8x11.5,5	
4 C467	2401-000360	C-AL;100uF,20%,50V,GP,TP,8x11.5,5	
4 C307	2401-000365	C-AL;100uF,20%,50V,WT,TP,10x12.5mm,	
4 C308	2401-000365	C-AL;100uF,20%,50V,WT,TP,10x12.5mm,	
4 C834	2401-000481	C-AL;10uF,20%,50V,WT,TP,5x11,5	
4 C483	2401-000625	C-AL;2.2uF,20%,160V,GP,TP,6.3x11,5	
4 C858	2401-000698	C-AL;2200uF,20%,16V,WT,TP,12.5x25,5	
4 C860	2401-000703	C-AL;2200uF,20%,25V,GP,-,12.5x25mm,	
4 C492	2401-001026	C-AL;3.3UF,20%,50V,GP,TP,5X11,5	
⚠ 4 CR401S	2401-001026	C-AL;3.3UF,20%,50V,GP,TP,5X11,5	
4 CS802	2401-001192	C-AL;33uF,20%,50V,GP,TP,6.3x11,5	
4 C866	2401-001397	C-AL;470uF,20%,25V,GP,TP,10x16,5	
4 C454	2401-001428	C-AL;470uF,20%,50V,GP,TP,10x20,5	
4 C450	2401-001486	C-AL;47uF,20%,160V,HR,TP,13x20mm,5m	
4 C456	2401-001527	C-AL;47uF,20%,250V,HR,TP,13x25mm,5m	
4 C445	2401-001622	C-AL;6.8uF,20%,50V,BP,TP,16x25mm,7.	
4 C476	2401-001989	C-AL;4.7uF,20%,50V,BP,TP,5x11,5	
4 C488	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
4 C835	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
4 C849	2401-002216	C-AL;2200uF,20%,35V,GP,TP,16x25,7.5	
4 C850	2401-002216	C-AL;2200uF,20%,35V,GP,TP,16x25,7.5	
4 C882	2401-002231	C-AL;470uF,20%,50V,WT,TP,13x20mm,5m	
4 C453	2401-002288	C-AL;470uF,20%,25V,WT,TP,10x20,5	
4 C458	2401-002288	C-AL;470uF,20%,25V,WT,TP,10x20,5	
4 C427	2401-002300	C-AL;47uF,20%,50V,GP,TP,6.3x11,5	
4 C437	2401-003114	C-AL;4.7uF,20%,250V,WT,TP,10x16,5	
4 L431	2701-000116	INDUCTOR-AXIAL;10UH,10%,4298	
4 L833	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
4 L834	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
4 L853	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
4 L854	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
4 L855	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
4 L856	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
4 L857	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
4 L871	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
4 L483	2901-000299	FILTER-EMI ON BOARD;-,6A,UL/CSA,-,9x7.5,	
4 L481	3301-000287	BEAD-AXIAL;,3.5x1.0x6.0mm,3000mA,TP,,,50	
4 L495	3301-000287	BEAD-AXIAL;,3.5x1.0x6.0mm,3000mA,TP,,,50	
4 L831	3301-000287	BEAD-AXIAL;,3.5x1.0x6.0mm,3000mA,TP,,,50	
4 L832	3301-000287	BEAD-AXIAL;,3.5x1.0x6.0mm,3000mA,TP,,,50	
4 L835	3301-000287	BEAD-AXIAL;,3.5x1.0x6.0mm,3000mA,TP,,,50	
4 L836	3301-000287	BEAD-AXIAL;,3.5x1.0x6.0mm,3000mA,TP,,,50	
4 L851	3301-000287	BEAD-AXIAL;,3.5x1.0x6.0mm,3000mA,TP,,,50	
4 J812	3301-000374	BEAD-AXIAL;,3.5x1.0x9.0mm,3000mA,TP,,,50	
4 L482	3301-000374	BEAD-AXIAL;,3.5x1.0x9.0mm,3000mA,TP,,,50	
4 L494	3301-000374	BEAD-AXIAL;,3.5x1.0x9.0mm,3000mA,TP,,,50	
⚠ 4 FS801S	3601-000102	FUSE-AXIAL LEAD;125V,1A,FAST-ACTING,GLAS	
⚠ 4 FD801S	3601-000120	FUSE-AXIAL LEAD;125V,2.5A,FAST-ACTING,GL	
⚠ 4 FD805S	3601-001086	FUSE-AXIAL LEAD;125V,5A,FAST-ACTING,GLAS	
⚠ 4 FD851S	3601-001086	FUSE-AXIAL LEAD;125V,5A,FAST-ACTING,GLAS	
⚠ 4 FD871S	3601-001086	FUSE-AXIAL LEAD;125V,5A,FAST-ACTING,GLAS	
4 F801A	3602-000114	FUSE-HOLDER;-,-,30mohm	
4 F801B	3602-000114	FUSE-HOLDER;-,-,30mohm	

Loc. No.	Code No.	Description ; Specification	Remark
4 EL01	6042-000001	EYELET;ID2.2,OD2.7,L3.1,NI+SN,BSP3-1/2H	S.N.A
4 EL02	6042-000001	EYELET;ID2.2,OD2.7,L3.1,NI+SN,BSP3-1/2H	S.N.A
4 EL03	6042-000001	EYELET;ID2.2,OD2.7,L3.1,NI+SN,BSP3-1/2H	S.N.A
4 EL04	6042-000001	EYELET;ID2.2,OD2.7,L3.1,NI+SN,BSP3-1/2H	S.N.A
4 EL05	6042-000001	EYELET;ID2.2,OD2.7,L3.1,NI+SN,BSP3-1/2H	S.N.A
4 EL06	6042-000001	EYELET;ID2.2,OD2.7,L3.1,NI+SN,BSP3-1/2H	S.N.A
4 EL07	6042-000001	EYELET;ID2.2,OD2.7,L3.1,NI+SN,BSP3-1/2H	S.N.A
4 EL08	6042-000001	EYELET;ID2.2,OD2.7,L3.1,NI+SN,BSP3-1/2H	S.N.A
4 EL09	6042-000001	EYELET;ID2.2,OD2.7,L3.1,NI+SN,BSP3-1/2H	S.N.A
4 EL10	6042-000001	EYELET;ID2.2,OD2.7,L3.1,NI+SN,BSP3-1/2H	S.N.A
4 EL11	6042-000001	EYELET;ID2.2,OD2.7,L3.1,NI+SN,BSP3-1/2H	S.N.A
4 EL12	6042-000001	EYELET;ID2.2,OD2.7,L3.1,NI+SN,BSP3-1/2H	S.N.A
4 EL13	6042-000001	EYELET;ID2.2,OD2.7,L3.1,NI+SN,BSP3-1/2H	S.N.A
4 EL14	6042-000001	EYELET;ID2.2,OD2.7,L3.1,NI+SN,BSP3-1/2H	S.N.A
4 EY01	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY03	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY04	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY05	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY06	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY07	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY08	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY09	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY100	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY101	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY102	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY103	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY104	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY105	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY106	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY107	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY108	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY109	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY11	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY110	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY111	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY112	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY113	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY114	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY115	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY116	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY117	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY118	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY119	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY12	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY120	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY121	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY122	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY123	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY124	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY125	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY126	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY127	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY128	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY129	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY13	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY130	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY131	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY136	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY137	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY138	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY139	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY14	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY140	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY145	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY146	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY15	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY16	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY166	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY167	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY168	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY169	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY17	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY18	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY19	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY20	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY21	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY22	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY23	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY24	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY26	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY27	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY28	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY29	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY31	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY33	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY34	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY35	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY36	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY37	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY38	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY39	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY40	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY41	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY42	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY43	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY44	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY45	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY46	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY47	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY48	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY49	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY50	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY51	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY52	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY53	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY54	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY55	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY56	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY57	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY58	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY59	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY60	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY61	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY62	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY63	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY64	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY65	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY66	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY67	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY68	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY69	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY70	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY71	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY72	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY73	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY74	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY75	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY76	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY77	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY78	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY79	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY80	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY802	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY803	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY81	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY82	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY83	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY84	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY85	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY86	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY91	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY92	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY93	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY94	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY95	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY96	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY97	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY98	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY99	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 IC402	AA13-00094A	IC HYBRID;-,DDRI001A,SIP,5P,-,TP	
4 IC403	AA13-00094A	IC HYBRID;-,DDRI001A,SIP,5P,-,TP	
4 GT14	AA60-40014A	PIN-GT,ASSY;AUTO	S.N.A
4 GT15	AA60-40014A	PIN-GT,ASSY;AUTO	S.N.A
4 GT16	AA60-40014A	PIN-GT,ASSY;AUTO	S.N.A

Loc. No.	Code No.	Description ; Specification	Remark
4 GT17	AA60-40014A	PIN-GT,ASSY;AUTO	S.N.A
4 GT18	AA60-40014A	PIN-GT,ASSY;AUTO	S.N.A
4 GT33	AA60-40014A	PIN-GT,ASSY;AUTO	S.N.A
4 GT34	AA60-40014A	PIN-GT,ASSY;AUTO	S.N.A
4 GT35	AA60-40014A	PIN-GT,ASSY;AUTO	S.N.A
4 GT401	AA60-40014A	PIN-GT,ASSY;AUTO	S.N.A
4 GT801	AA60-40014A	PIN-GT,ASSY;AUTO	S.N.A
4 GT802	AA60-40014A	PIN-GT,ASSY;AUTO	S.N.A
4 GT803	AA60-40014A	PIN-GT,ASSY;AUTO	S.N.A
4 GT804	AA60-40014A	PIN-GT,ASSY;AUTO	S.N.A
4 GT805	AA60-40014A	PIN-GT,ASSY;AUTO	S.N.A
4 GT806	AA60-40014A	PIN-GT,ASSY;AUTO	S.N.A
4 GT810	AA60-40014A	PIN-GT,ASSY;AUTO	S.N.A
4 QS801	0501-000010	TR-SMALL SIGNAL;KSC1008,NPN,800mW,TO-92,	
4 R838	2008-001057	R-FUSIBLE;750ohm,5%,1/2W,AF,TP,2.5x6.5mm	
4 R833	2009-001011	R-METAL PLATE;0.18ohm,10%,5W,CL,TP,5x14x	
4 R833A	2009-001011	R-METAL PLATE;0.18ohm,10%,5W,CL,TP,5x14x	
4 R851	2004-000560	R-METAL;220Kohm,1%,1/4W,AA,TP,2.4x6.4m	
4 CS808	2401-000010	C-AL;220uF,20%,16V,GP,-,6.3x11mm,2.	
4 CS803	2401-001661	C-AL;68uF,20%,100V,GP,TP,10x16,5	
4 CS807	2401-003473	C-AL;680UF,20%,16V,GP,TP,10X12.5MM,5	
4 J831	2001-001192	R-CARBON(S);820OHM,5%,1/2W,AA,TP,2.4X6.4	
4 OO	AA41-01041C	PCB SUB-FREE VOLT;SP52Q7HRX/AAG,1L,C,1.6	S.N.A
4 DZ385	0403-001322	DIODE-ZENER;MTZJ8.2B,7.78-8.19V,500MW,DO	
4 C861	2301-000010	C-FILM,LEAD-PEF;100nF,5%,100V,TP,11.5x12	
3 CNW802	MD39-00074E	LEAD CONNECTOR;P57A,UL1007#26,UL/CSA,12P	
⚠ 3 T801S	AA26-00146C	TRANS SWITCHING;EER5345,J57A EXODUS,400V	
⚠ 3 ICS802	1203-001006	IC-POSI.FIXED REG.;78R05,TO-220F,4P,-,PL	
3 DZ016	0403-000700	DIODE-ZENER;TZP33A,5%,1000MW,DO-41,TP	
3 Q431	BH99-00033K	ASSY HEAT/SINK;HEAT SINK-PS,SPRING,FMP-3	S.N.A
4 CIS	0205-001154	OIL-SILICON;G746,-,-	S.N.A
4 T0083	0402-001296	DIODE-RECTIFIER;FMP-3FU,1.5KV,5A,DO-201A	
4 H/S	0502-001187	TR-POWER;2SC5612,NPN,220000mW,TO-3PL,BK,	
4 T0060	BH61-70003A	SPRING ETC;CVT4857,STS304-W1/2H,W3.8,-,L	S.N.A
4 CIS	BH62-00038B	HEAT SINK-FBT;COMMANDO,A1050S,T2.0,85*80	S.N.A
4 CIS	BH73-00028A	SILICON/RUBBER-HS;CDT ALL,SILICON,26*33*	S.N.A
2 T0100	BP94-01491A	ASSY PCB MISC-A/V FRONT;SP47Q7HRX/XSA,J5	
3	0202-001366	SOLDER-WIRE FLUX;-,RS60S,D1.2,63Sn/37Pb,	S.N.A
3 SW101	3404-000208	SWITCH-TACT;12V,50mA,120gf,6x6mm,SPST	
3 CNY702A	3711-000057	CONNECTOR-HEADER;BOX,3P,1R,2.5mm,ANGLE,S	
3 CNY01A	3711-000643	CONNECTOR-HEADER;BOX,12P,1R,2.5MM,ANGLE,	
3 JK101	3722-000544	JACK-VHS;4P,11.5mm,AG,BLK,N	
3 JK102	3722-001164	JACK-PIN;3P,3.4mm,SN,WH:YE:RE,#16-22	
3 AVP+HJ	6003-001023	SCREW-TAPTITE;PWH,+,B,M3,L10,ZPC(YEL),SW	S.N.A
3	AA63-10002A	BAND-TIE;NYLON66 V2,L100,NTR	S.N.A
3	AA97-07429A	ASSY AUTO-A/V FRONT;HCM4215WX/XAA,P55A	S.N.A
4 RK101	2001-000006	R-CARBON;2.4KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 0	AA41-00499D	PCB-FRONT A/V;SVP-54T6SR,FR-1,1L,D,1.6T,	S.N.A
3 CNW01A	BP39-00060B	LEAD CONNECTOR;P58A,UL2547#26,UL/CSA,12P	
3 CNYW02	BP39-00061B	LEAD CONNECTOR;P58A,UL1007#26,UL/CSA,3P,	
3 CNW02	BP39-00063A	LEAD CONNECTOR;P57A/SVP-55WHT,UL1007#26,	
3 T0091	BP96-00212G	ASSY COVER P-SIDE AV;Q7,ABS,HB,SV012P,AS	S.N.A
4 T0578	AA64-02086X	INLAY AV;54T8,PS SHEET,T0.5,P58A	S.N.A
4 T0150	AA64-02780G	DOOR-A/V;43T8,ABS,HB,SV012P	S.N.A
4	BP61-00159A	HOLDER-A/V;Q7,ABS HB,SV012P	S.N.A
2 T0133	BP94-01525A	ASSY PCB MISC-SUB POWER;SP43T9HRX/XSE,J5	S.N.A
3 DS802	0402-000250	DIODE-RECTIFIER;RG4C,1KV,2A,-,-	
⚠ 3 PC811S	0604-001038	PHOTO-COUPLER;TR,130-260%,200mW,DIP-4,ST	
⚠ 3 NT811S	1404-001195	THERMISTOR-NTC;5.1ohm,15%,2900,27mW/C,BK	
⚠ 3 CY811S	2201-000963	C-CERAMIC,DISC;1NF,20%,400V,Y5U,TP,9.5X6	
⚠ 3 CX811S	2306-000318	C-FILM,LEAD-PPF;220NF,20%,250V,BK,-,22.5	
3 CS802	2401-002213	C-AL;150uF,+30-10%,450V,GP,BK,25x35	
⚠ 3 RL811S	3501-001053	RELAY-POWER;5VDC,530MW,10000MA,1FORMA,15	
⚠ 3 FS811S	3601-000281	FUSE-CARTRIDGE;250V,4A,TIME-LAG,GLASS,5.	
⚠ 3 PD811S	3711-004720	CONNECTOR-HEADER;3WALL,2P,1R,12.5mm,STRA	
⚠ 3 T811S	AA26-00216A	TRANS SWITCHING;EER4245,CS29T10,90~264V,	
⚠ 3 LX811S	AA29-30002F	FILTER LINE NOISE;-,6mH,2.45A,-,-	
⚠ 3 D811S	AA96-00276A	ASSY H/S;-,BRIDGE,AA62-00052A,RBV606,WAS	S.N.A
4	0205-001153	GREASE-SILICON;SC102,JAPAN,-	S.N.A
4 T0083	0402-000549	DIODE-BRIDGE;RBV606,600V,6A,SIP-4,BK	
4 T0081	6003-000335	SCREW-TAPTITE;RH,+,2S,M3,L8,ZPC(YEL),SWR	S.N.A
4	AA60-30003A	WASHER;T1.5,SBHG-1	S.N.A
4	AA62-00052A	HEAT SINK-PS;-,-,-,SILVER,HOLE 18.5mm, 2	S.N.A
3 DS806	AA96-50153B	ASSY H/S;-,TR,AA62-30013D,FML-G22S,-	S.N.A
4 T0083	0402-000564	DIODE-RECTIFIER;FML-G22S,200V,10A,TO-220	
4 T0081	6003-000333	SCREW-TAPTITE;RH,+,2S,M3,L10,ZPC(YEL),SW	S.N.A
4	AA62-30013D	HEAT SINK-ES;-,A6063 EXTR,-,-,55(21) T02	S.N.A
3	BP97-00722A	ASSY AUTO;SP43T9HRX/XST,J59A	S.N.A
4 DS803	0401-000005	DIODE-SWITCHING;1N4148,75V,150MA,DO-35,T	
4 DS805	0401-000006	DIODE-SWITCHING;BAV21,250V,200MA,DO-35,T	
4 DS810	0401-000006	DIODE-SWITCHING;BAV21,250V,200MA,DO-35,T	
4 DS826	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP	
4 DS804	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
4 DZS803	0403-000510	DIODE-ZENER;MTZJ6.2B,5.96-6.27V,500MW,DO	
4 DZS802	0403-000720	DIODE-ZENER;MTZJ9.1B,8.57-9.01V,500MW,DO	
4 DZS801	0403-001167	DIODE-ZENER;MTZJ30D,29.02-30.51V,500MW,D	
4 DZS804	0403-001319	DIODE-ZENER;MTZJ4.7C,4.68-4.93V,500MW,DO	
4 DZS806	0403-001320	DIODE-ZENER;MTZJ6.2C,6.16-6.4V,500MW,DO-	
4 QS804	0501-000369	TR-SMALL SIGNAL;KSC2331-Y,NPN,1000mW,TO-	
4 QS805	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
4 QS801	1203-001217	IC-POSI.ADJUST REG.;431,TO-92,3P,4.58MIL	
⚠ 4 VP811S	1405-000187	VARISTOR;750V,1250A,12.5x7mm,TP	
4 RS812	2001-000037	R-CARBON(S);330OHM,5%,1/2W,AA,TP,2.4X6.4	
4 RS869	2001-000052	R-CARBON(S);3.3KOHM,5%,1/2W,AA,TP,2.4X6.	
4 RS822	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 RS821	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
4 RS870	2001-001072	R-CARBON(S);12OHM,5%,1/2W,AA,TP,2.4X6.4M	
4 RS813	2001-001088	R-CARBON(S);1KOHM,5%,1/2W,AA,TP,2.4X6.4M	
4 RS814	2001-001088	R-CARBON(S);1KOHM,5%,1/2W,AA,TP,2.4X6.4M	
4 RS808	2001-001097	R-CARBON(S);2.4KOHM,5%,1/2W,AA,TP,2.4X6.	
4 RS815	2001-001099	R-CARBON(S);2.7KOHM,5%,1/2W,AA,TP,2.4X6.	
4 RS817	2001-001128	R-CARBON(S);30KOHM,5%,1/2W,AA,TP,2.4X6.4	
4 RS816	2001-001131	R-CARBON(S);33KOHM,5%,1/2W,AA,TP,2.4X6.4	
4 RS868	2001-001131	R-CARBON(S);33KOHM,5%,1/2W,AA,TP,2.4X6.4	
4 RS801	2001-001150	R-CARBON(S);470KOHM,5%,1/2W,AA,TP,2.4X6.	
4 RS802	2001-001150	R-CARBON(S);470KOHM,5%,1/2W,AA,TP,2.4X6.	
4 RS871	2001-001152	R-CARBON(S);47KOHM,5%,1/2W,AA,TP,2.4X6.4	
⚠ 4 RP811S	2002-001010	R-COMPOSITION;1.8Mohm,5%,1/2W,AA,TP,3.7x	
4 RS805	2003-000586	R-METAL OXIDE(S);22Kohm,5%,2W,AF,TP,4x12	
4 RS806	2003-000586	R-METAL OXIDE(S);22Kohm,5%,2W,AF,TP,4x12	
4 RS807	2003-000586	R-METAL OXIDE(S);22Kohm,5%,2W,AF,TP,4x12	
4 RS803	2003-002186	R-METAL OXIDE(S);22Kohm,5%,2W,AG,TP,3.9x	
4 RS804	2003-002186	R-METAL OXIDE(S);22Kohm,5%,2W,AG,TP,3.9x	
4 RS844	2003-002186	R-METAL OXIDE(S);22Kohm,5%,2W,AG,TP,3.9x	
4 RS855	2003-002186	R-METAL OXIDE(S);22Kohm,5%,2W,AG,TP,3.9x	
4 RS819	2003-002207	R-METAL OXIDE(S);5.6Kohm,5%,2W,AG,TP,3.9	
4 RS820	2003-002207	R-METAL OXIDE(S);5.6Kohm,5%,2W,AG,TP,3.9	
4 RS818	2004-001983	R-METAL(S);2.49Kohm,1%,1/2W,AA,TP,2.4x6.	
4 RS810	2009-000026	R-METAL PLATE;0.15OHM,10%,5W,CL,TP,5X14X	
4 CS812	2201-000112	C-CERAMIC,DISC;1.5NF,10%,50V,Y5V,TP,5X3.	
4 CS805	2201-000119	C-CERAMIC,DISC;100NF,+80-20%,50V,Y5V,TP,	
4 CS810	2201-000281	C-CERAMIC,DISC;1NF,+80-20%,50V,Y5V,TP,5X	
4 CS872	2201-000332	C-CERAMIC,DISC;2.2NF,20%,250V,Y5U,TP,9X4	
4 CS873	2201-000332	C-CERAMIC,DISC;2.2NF,20%,250V,Y5U,TP,9X4	
4 CS815	2201-000375	C-CERAMIC,DISC;0.22NF,5%,50V,RH,TP,12.5X	
4 CS817	2201-000556	C-CERAMIC,DISC;0.47NF,10%,500V,Y5P,TP,5.	
4 CS804	2201-002028	C-CERAMIC,DISC;0.47NF,10%,2KV,Y5P,TP,7.5	
4 CS803	2301-001216	C-FILM,LEAD-PPF;47nF,5%,630V,TP,20x14.5x	
4 CS811	2301-001342	C-FILM,LEAD-PPF;1.5nF,5%,800V,TP,15x6.5x	
4 CS814	2305-000280	C-FILM,LEAD-PEF;220nF,10%,63V,TP,7.5x13.	
4 CS809	2305-000411	C-FILM,LEAD-PEF;470nF,5%,50V,TP,7.3x4.8x	
4 CS808	2401-000603	C-AL;1UF,20%,50V,GP,TP,5X11,2	
4 CS874	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
4 CS806	2401-002300	C-AL;47uF,20%,50V,GP,TP,6.3x11,5	
4 LS801	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
4 LS802	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
4 LS803	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
4 LS804	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
4 L804	3301-000287	BEAD-AXIAL;,3.5x1.0x6.0mm,3000mA,TP,,,50	
4 L805	3301-000287	BEAD-AXIAL;,3.5x1.0x6.0mm,3000mA,TP,,,50	
4 EY106	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY107	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY108	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY116	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY125	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY126	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY127	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY128	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY129	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY130	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY152	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY153	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY155	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY156	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A

Loc. No.	Code No.	Description ; Specification	Remark
4 EY157	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY158	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY159	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY167	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 EY168	6042-000002	EYELET;ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	S.N.A
4 OO	AA41-01050A	PCB SUB-POWER;SP43T9HRX/HAC,CEM-1,1L,A,1	S.N.A
4 FS811A	3602-000114	FUSE-HOLDER;-,-,30mohm	
4 FS811B	3602-000114	FUSE-HOLDER;-,-,30mohm	
3 CNS801	3711-001084	CONNECTOR-HEADER;BOX,8P,1R,2.5mm,STRAIGH	
3 ICS801S	BP96-00423B	ASSY HEAT SINK P;BP62-00043E,SCREW,STR-W	S.N.A
4 H/S	0205-001154	OIL-SILICON;G746,-,-	S.N.A
4 H/S	6003-000333	SCREW-TAPTITE;RH,+,2S,M3,L10,ZPC(YEL),SW	S.N.A
4 H/S	AA13-00108A	IC HYBRID;STR-W6756,CS25K10PF,6,-20 to +	
4 H/S	BP62-00043E	HEAT SINK-ES;GAIA,A1050S,T3.5,32.0,45	S.N.A
3	0202-001366	SOLDER-WIRE FLUX;-,RS60S,D1.2,63Sn/37Pb,	S.N.A
3 CNW801	BP39-00055C	LEAD CONNECTOR;SVP-61L2HD,UL1007#26,UL/C	
3 RS809	2008-001078	R-FUSIBLE;47OHM,5%,1/2W,AA,TP,4.7X11MM	
3 CS818	2401-003419	C-AL;2200uF,20%,50V,WT,BK,16X35.5mm,7.5	
3 CS819	2401-003419	C-AL;2200uF,20%,50V,WT,BK,16X35.5mm,7.5	
3 M2893	AA39-00236E	LEAD CONNECTOR;SP52Q7HRX/AAG,UL1617#22,3	

ASSY FIXING

Loc. No.	Code No.	Description ; Specification	Remark
1	BP91-01207A	ASSY FIXING;SP52Q7HRX/AAG,J57A	S.N.A
2 HPS+HC	6003-001023	SCREW-TAPTITE;PWH,+,B,M3,L10,ZPC(YEL),SW	S.N.A
2 HR+HC	6003-001023	SCREW-TAPTITE;PWH,+,B,M3,L10,ZPC(YEL),SW	S.N.A
2 PM+HC	6003-001023	SCREW-TAPTITE;PWH,+,B,M3,L10,ZPC(YEL),SW	S.N.A
2 PP+HC	6003-001023	SCREW-TAPTITE;PWH,+,B,M3,L10,ZPC(YEL),SW	S.N.A
2 PS+HC	6003-001023	SCREW-TAPTITE;PWH,+,B,M3,L10,ZPC(YEL),SW	S.N.A
2 PS+HPS	6003-001023	SCREW-TAPTITE;PWH,+,B,M3,L10,ZPC(YEL),SW	S.N.A
2 T0245	AA39-20010B	LEAD CONNECTOR-ASSY;,1P,500,YFH800-01,S,	
2 T0245	AA39-20010E	LEAD CONNECTOR-ASSY;,1P,800,YFH800-01,S,	
2	AA63-10002A	BAND-TIE;NYLON66 V2,L100,NTR	S.N.A
2	AA65-00011B	CLAMPER CORE-WIRE;ALL MODEL,NYLON 66,V2,	S.N.A
2	AA65-30018A	CLAMPER CORE-WIRE;DONG-A,NYLON-66,-,-,-,	S.N.A
2	AA65-30104C	CLAMPER CORE-WIRE;ALL MODEL,NYLON 66,V2,	S.N.A
⚠ 2 T0066	AA96-20109F	ASSY POWER CORD;-,CP2/NO(4.0),H/C 150mm,	S.N.A
3	3811-001609	WIRE-PVC CU;BCWA,300V,ROLL,-,#22,BLK	S.N.A
3 T0268	AA39-10006X	CBF-POWER CORD;-,KKP419C,KLCE-2F,2.286MT	
3	AA61-20284A	HOLDER;P-CORD,PP,-,-,-,BLK,VO,KE-002	S.N.A
2 T0070	BP61-00131A	HOLDER-CHASSIS;PJCPT,ABS V0,GRAY	S.N.A
2 T0121	3301-001201	CORE-FERRITE;AE,21x11x32mm,1500,280G	

ASSY P/MATERIAL

Loc. No.	Code No.	Description ; Specification	Remark
1	BP92-00517A	ASSY P/MATERIAL;SVP-52Q7HR,P55A	S.N.A
2 T0214	AA60-40006A	PIN-STAPLE;AUTO,33X17.8X2.4,H18,33X17.8X	S.N.A
2 T0214	AA61-20285A	HOLDER-BOX;3456,PP,-,-,-,WHT,VO	S.N.A
2 T0172	AA69-02609A	BAND-PP;W18,CLEA,1G	S.N.A
2	6902-000061	BAG AIR;LDPE,T0.2,L1000,W500,TRP,,,	S.N.A
2	6902-000001	BAG AIR;LDPE,T0.2,L1800,W1000,TRP,,,LDPE	S.N.A
2	6902-000008	BAG PE;HDPE/NITRON/HDPE,T0.015/T0.5/T0.0	S.N.A
2	6902-000621	BAG SHEET;HDPE/PE FORM,T0.015/T1,W1000,L	S.N.A

ASSY ACCESSORY

Loc. No.	Code No.	Description ; Specification	Remark
1 M0045	BP92-00894A	ASSY ACCESSORY;SP52Q7HRX/AAG,J57A	S.N.A
2 T0251	3721-000136	PLUG-CONVERSION;2P,4.0mm,N,NI	S.N.A
2 T0685	4301-000103	BATTERY-ALKALINE;1.5V,750mAH,AAA,10.5x44	
2	6902-000018	BAG PE;LDPE,T0.1,W280,L400,GRY,8,2-	S.N.A
2 T0116	AA39-40001B	CABLE RCA;,1500MM	
2 T0309	AA39-40001M	CABLE RCA-A/V;,70000MM	
2 M0114	AA39-90003A	CBF SIGNAL;-,MAIL,MAIL,15P,70000mm,UL299	
2	AA68-03242A	MANUAL-01,SAFETY GUIDE;NT/PAL ALL MODEL,	S.N.A
2 T0074	BP59-00053A	REMOCON;TM77,Exodus,47,Spray,Asia,SAMSUN	
2	BP61-00447C	HOLDER-CASTER;PJTV,HIPS,T1.5,ASSY(2PC)	S.N.A
3	6902-000023	BAG PE;LDPE,T0.08,L120,W150,TRP,,,PE MAR	S.N.A
3	BP61-00447A	HOLDER-CASTER;PJTV,HIPS,T1.5,Dia41mm	S.N.A
2 0	BP68-00261A	MANUAL USERS-00;SP47Q7HRX/XSA,ENG,W/P 10	S.N.A

ASSY COVER FRONT

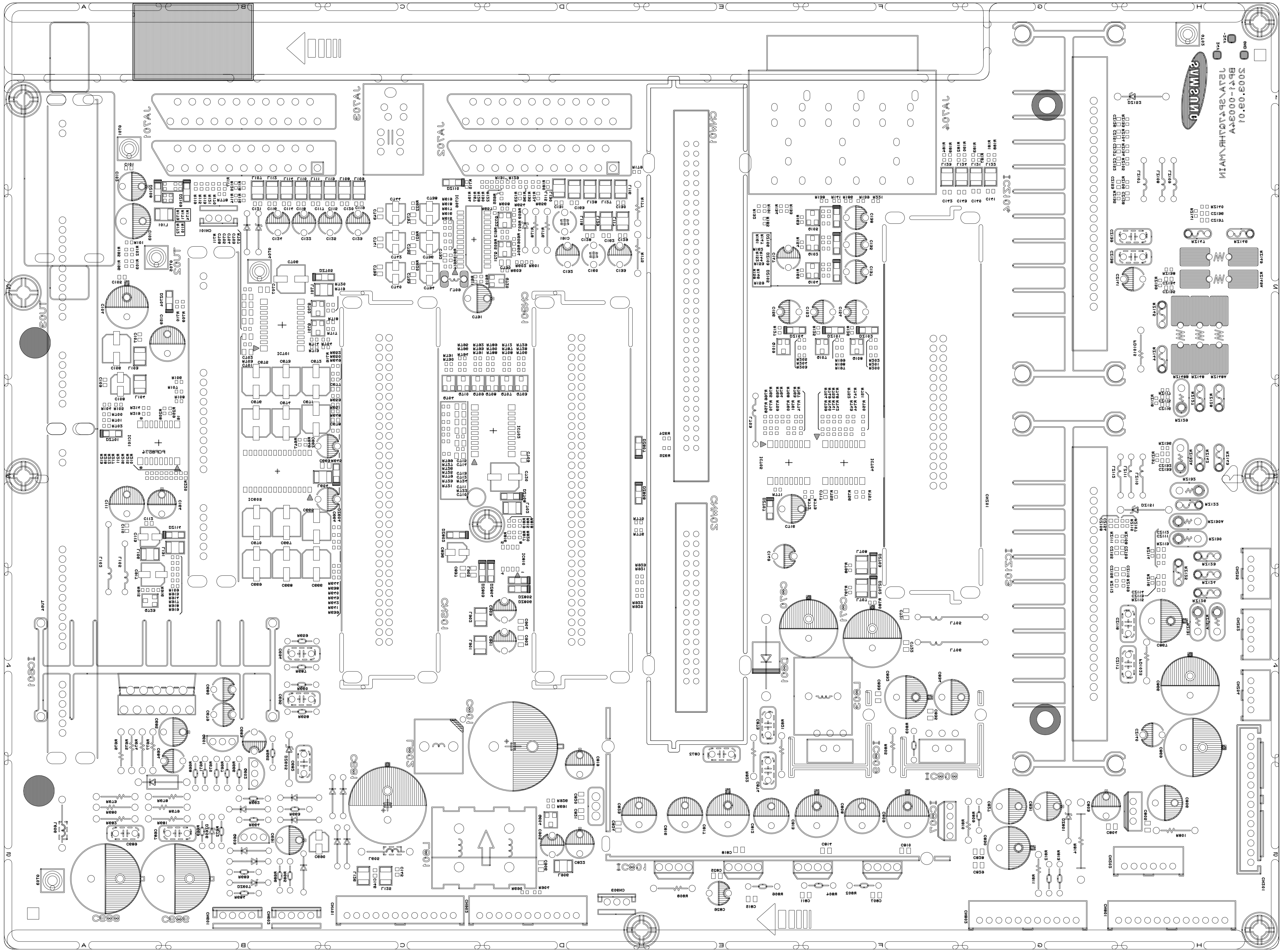
Loc. No.	Code No.	Description ; Specification	Remark
1 M0001	BP90-00126P	ASSY COVER FRONT;SP52Q7HRX/AAG,J57A	S.N.A
2 PCBCON	6003-001023	SCREW-TAPTITE;PWH,+,B,M3,L10,ZPC(YEL),SW	S.N.A
2 BM+CFT	6003-001339	SCREW-TAPTITE;HH,+,B,M4,L15,ZPC(BLK),SWR	S.N.A
2 BOT+CF	6003-001339	SCREW-TAPTITE;HH,+,B,M4,L15,ZPC(BLK),SWR	S.N.A
2 CFB+PB	6003-001339	SCREW-TAPTITE;HH,+,B,M4,L15,ZPC(BLK),SWR	S.N.A
2 CFB+PM	6003-001339	SCREW-TAPTITE;HH,+,B,M4,L15,ZPC(BLK),SWR	S.N.A
2 H/PACK	6003-001339	SCREW-TAPTITE;HH,+,B,M4,L15,ZPC(BLK),SWR	S.N.A
2 MASK+C	6003-001339	SCREW-TAPTITE;HH,+,B,M4,L15,ZPC(BLK),SWR	S.N.A
2 CFB+CW	6005-001003	SCREW-WOOD;HH,+,M4,L19,ZPC(BLK),SWRCH1	S.N.A
2 CFT+CW	6005-001003	SCREW-WOOD;HH,+,M4,L19,ZPC(BLK),SWRCH1	S.N.A
2 BCM+C	6006-001094	SCREW-WOOD;WW,HH,+,M7,L32,ZPC(YEL),SWRC	S.N.A
2 T0118	AA26-00149A	TRANS FBT-H/V DISTRIBUTOR;FUW50A001B(S),	
2 T0245	AA39-00272A	LEAD CONNECTOR-ASSY;,UL2547#26,UL/CSA,12	
2 T0600	AA60-00072B	SPACER-COVER,DUST;43,54,62J9,SPONGE 94HF	S.N.A
2 AP+BCM	AA60-10011A	SCREW-TAPTITE;-,SWRCH18A,M4,L12,HH,+,PC,	S.N.A
2 DY+BCM	AA60-10011A	SCREW-TAPTITE;-,SWRCH18A,M4,L12,HH,+,PC,	S.N.A
2 HV+BCM	AA60-10011A	SCREW-TAPTITE;-,SWRCH18A,M4,L12,HH,+,PC,	S.N.A
2 T0115	AA61-00475B	BRACKET-CRT,MAIN;54,SECC,T1.6,-,-,-,-	S.N.A
2 T0069	AA63-60002V	SPACER-FELT;-,FELT,-,-,-,BLK,T0.3,-,60X4	S.N.A
2 T0069	AA63-60002Y	SPACER-FELT;-,FELT,-,-,-,BLK,T0.5,-,330X	S.N.A
2 M2893	BP39-00048A	LEAD CONNECTOR;P55A/SVP-47W3HRT,UL1617#2	
2 RC+CF	BP61-00492B	HOLDER-CARE;PJT,ACRYL-FOAM,T0.25,W50.0mm	S.N.A
2	BP61-00741A	BRACKET-FOCUS;47Q7,SECC,T1.6	S.N.A
2 T0053	BP67-00047D	SCREEN FRESNEL;52W,MS,1175*673,2	
2 T0054	BP67-00047E	SCREEN LENTI;52W,PMMA,1173*671,0.76,KR	
2 T0112	BP96-00206C	ASSY COVER P-F/TOP;52Q7,HIPS,HB,GR503,SV	
3 SENSOR	6003-001339	SCREW-TAPTITE;HH,+,B,M4,L15,ZPC(BLK),SWR	S.N.A
3	BP61-00052A	HOLDER-WIRE;PJTV,NYLON,66,NATURAL	S.N.A
3 T0559	BP61-00158A	HOLDER-SENSOR;52Q7,PC,VIOLET	S.N.A
3 T0245	BP64-00115A	CABINET-FRONT,TOP;52Q7,HIPS HB,G4309,SV0	
3	AA65-00020A	CLAMPER CORE-WIRE;55W9,NYLON 66	S.N.A
3 T0069	AA60-00091L	SPACER-FELT;-,FELT,330X10,-,-,BLK,T1.0,-	S.N.A
3 T0382	BP61-00509B	HOLDER-CARE;PJT,ACRYL-FOAM,T0.25,W20.0mm	S.N.A
2 T0004	BP96-00207N	ASSY COVER P-MASK;52Q7,HIPS,HB,GRY,DGM12	
3 T0017	BP64-00116L	CABINET FRONT-MASK;52Q7,HIPS,GRY,HB,DGM1	
3 T0057	BP64-00178A	BADGE-BRAND;ALL,AL,T1.5,78,13.0,,BLK,SIL	S.N.A
3 T0069	AA60-00091L	SPACER-FELT;-,FELT,330X10,-,-,BLK,T1.0,-	S.N.A
3 T0382	BP61-00509B	HOLDER-CARE;PJT,ACRYL-FOAM,T0.25,W20.0mm	S.N.A
2 T0039	BP96-00208L	ASSY COVER P-PANEL MID;52Q7,ABS,HB,GRY,D	S.N.A
3 KC+PM	6003-001339	SCREW-TAPTITE;HH,+,B,M4,L15,ZPC(BLK),SWR	S.N.A
3	AA60-00077A	SPACER-DUAL,LOCK;54J8,#250,-,-,-,-,-,-,4	S.N.A
3 CIS7	AA61-60003J	SPRING ETC-CS;-,SUS304,-,-,OD6,N7,OD6,-,	S.N.A
3 T0604	BP64-00117K	CABINET-PANEL MID;52Q7,ABS,DGM2256,HB,GR	S.N.A
3 T0555	BP64-00122A	CABINET-BOSS;52Q7,ABS HB,BLK	S.N.A
3 T0023	BP64-00123A	KNOB POWER;52Q7,ABS HB,D-GRY,DGM2256	S.N.A
3 T0022	BP64-00124A	KNOB CONTROL;52Q7,ABS HB,D-GRY,DGM2256	S.N.A
3 T0603	BP64-00125A	WINDOW-RMC;52Q7,PC,CLR	S.N.A
3 T0606	BP64-00126A	KNOB POWER-COVER;52Q7,AL T1.0	S.N.A
3 T0605	BP64-00127A	KNOB-SIDE,COVER;52Q7,AL T1.0	S.N.A
3 T0071	BP64-00128B	INDICATOR-LED;47,52Q7,PC CLEAR,,,,,	S.N.A
3 T0382	BP61-00509B	HOLDER-CARE;PJT,ACRYL-FOAM,T0.25,W20.0mm	S.N.A
2 T0007	BP96-00209A	ASSY COVER P-PANEL BOT;52Q7,HIPS HB,GRAY	
3	AA60-00077A	SPACER-DUAL,LOCK;54J8,#250,-,-,-,-,-,-,4	S.N.A
3 T0211	BP64-00118A	CABINET-PANNEL,BOTTOM;52Q7,HIPS HB,GRY,S	
2 T0016	BP96-00210B	ASSY COVER P-F/BOT;52Q7,HIPS,V0,GRY,SV01	
3	AA60-00077A	SPACER-DUAL,LOCK;54J8,#250,-,-,-,-,-,-,4	S.N.A
3	AA63-00380A	COVER-CORNER;PJT,POLYESTER,-,-,-,-,CLR,#	S.N.A
3 T0016	BP64-00119B	CABINET FRONT-BOT;52Q7,HIPS,V0,GRY,SV012	
3 T0382	BP61-00509B	HOLDER-CARE;PJT,ACRYL-FOAM,T0.25,W20.0mm	S.N.A
2 T0324	BP96-00211F	ASSY COVER P-WOOD;52Q7,WOOD,J57A,ASIA, F	S.N.A
3 T0082	3001-000153	SPEAKER;20W,8ohm,93dB,1.3KHz	
3 T0082	3001-001116	SPEAKER;30W,8OHM,96DB,60HZ	
3 T0245	AA39-00042B	LEAD CONNECTOR-ASSY;,2.7UF,300MM,REC,REC	
3 HC+CW	AA60-10051A	SCREW-WOOD;-,SWRCH18A,M4,L16,PH,+,-,-,ZP	S.N.A
3 T0156	AA61-00094C	HOLDER-RAIL;PCJ533R,ABS,-,-,-,BLK,HB,480	S.N.A
3	AA61-00097A	HOLDER-WIRE;-,NYLON 6/6,-,-,-,NTR,-	S.N.A
3	AA61-00458C	CASTER;,URETHANE,OD40,BLK,H47,95'	S.N.A
3	AA61-00506B	HOLDER-CRT,MAIN;43,54,62J8,HIPS,-,-,-,BL	S.N.A
3	AA61-00508D	HOLDER-JERSEY;W3,ABS V0,GRAY,G4309	S.N.A
3	AA61-00722A	HOLDER-PIN,DABO;PRJT,NYLON,OD6.5XL25,-,-	S.N.A
3	AA61-70053A	RAIL-PCB;SVP-524JA,ABS,-,-,-,BLK,VO	S.N.A
3	AA63-00348B	COVER-DUCT;54,62J8,HIPS,-,-,-,HB,BLK,-	S.N.A

Loc. No.	Code No.	Description ; Specification	Remark
3 T0312	AA98-00049B	ASSY-LEAD,CON;-,LEAD-CON,CORE,AA39-20505	S.N.A
4 T0121	3301-001201	CORE-FERRITE;AE,21x11x32mm,1500,280G	
3 T0519	BP61-00544A	BRACKET-GRILLE;PJTV,SPC,0.5,97,550,WIRE	S.N.A
3 T0617	BP64-00156A	CABINET-WOOD;52Q7,WOOD,P55A	S.N.A
2 T0415	BP96-00573A	ASSY COVER P-HOLDER PACK;PJTV,PP	S.N.A
3	BP60-00052A	SPACER-BELLOWS;PP+PET,CLR,0.3	S.N.A
3	BP61-00751A	HOLDER-PACK;PP,2.0,NTR	S.N.A
3	BP62-00059A	TUBE-DRAIN;SILICONE,1,6,150,WHT	S.N.A
3	BP62-00059B	TUBE-DRAIN;SILICONE,1,6,300,WHT	S.N.A
3	BP62-00059C	TUBE-DRAIN;SILICONE,1,6,450,WHT	S.N.A

MEMO

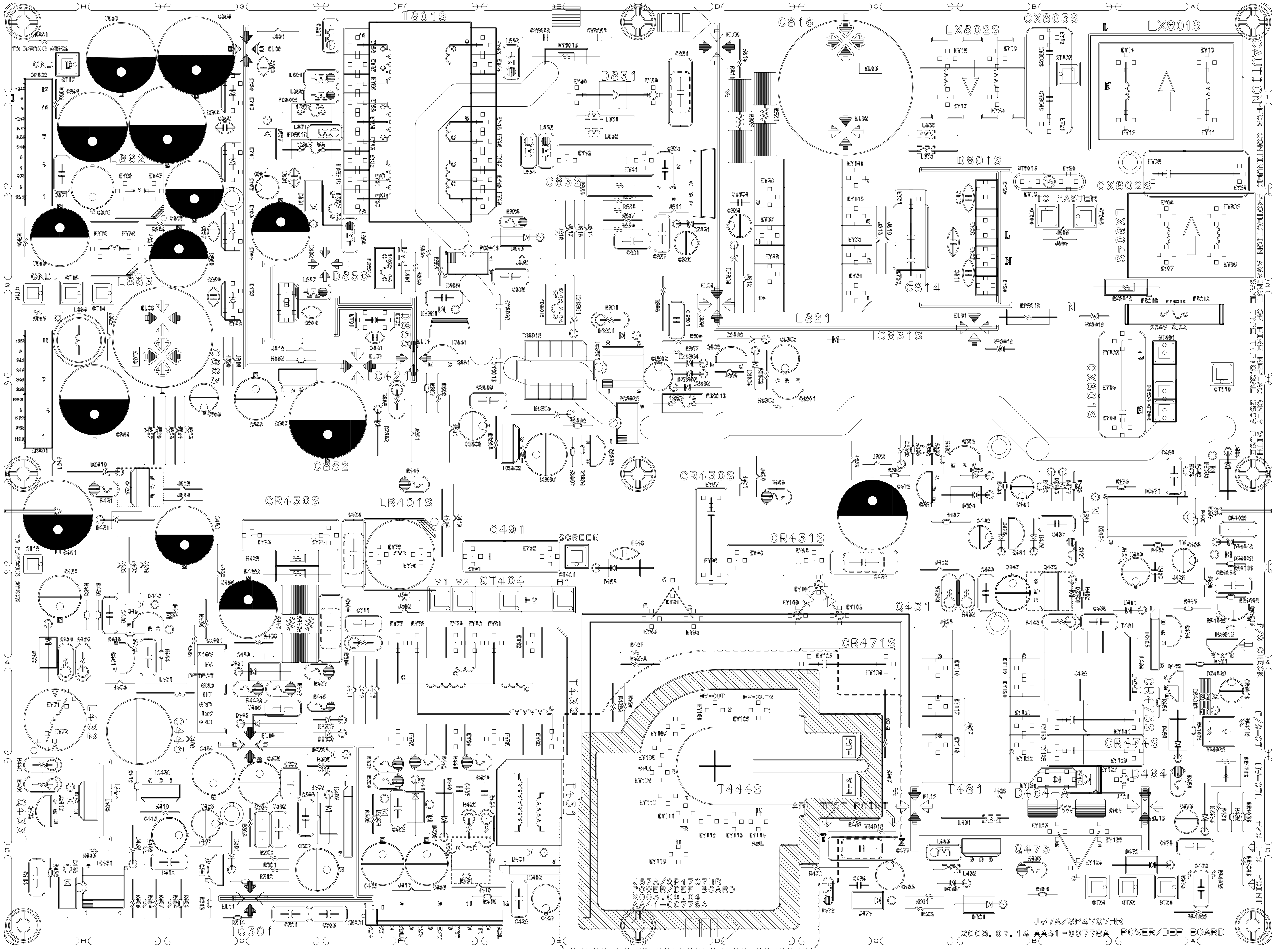
4. PCB Diagrams

4-1 MAIN PCB-1



Loc	Position
D601	B5
D602	C5
D604	B5
D606	B5
D801	E4
C681	C5
C801	D5
L801	C5
L802	C4
L803	F4
DZ103	F2
DZ108	A1
CZ604	C3
CZ701	A3
DZ702	F4
DZ705	C2
DZ801	G5
DZ803	D4
FD101S	H2
FD102S	H4
IC605	B3
IC701	B2
IC702	D3
IC704	F2
IC705	E2
IC810	D3
Q102	F2
Q108	F3
Q601	B4
Q703	D3
Q723	A4

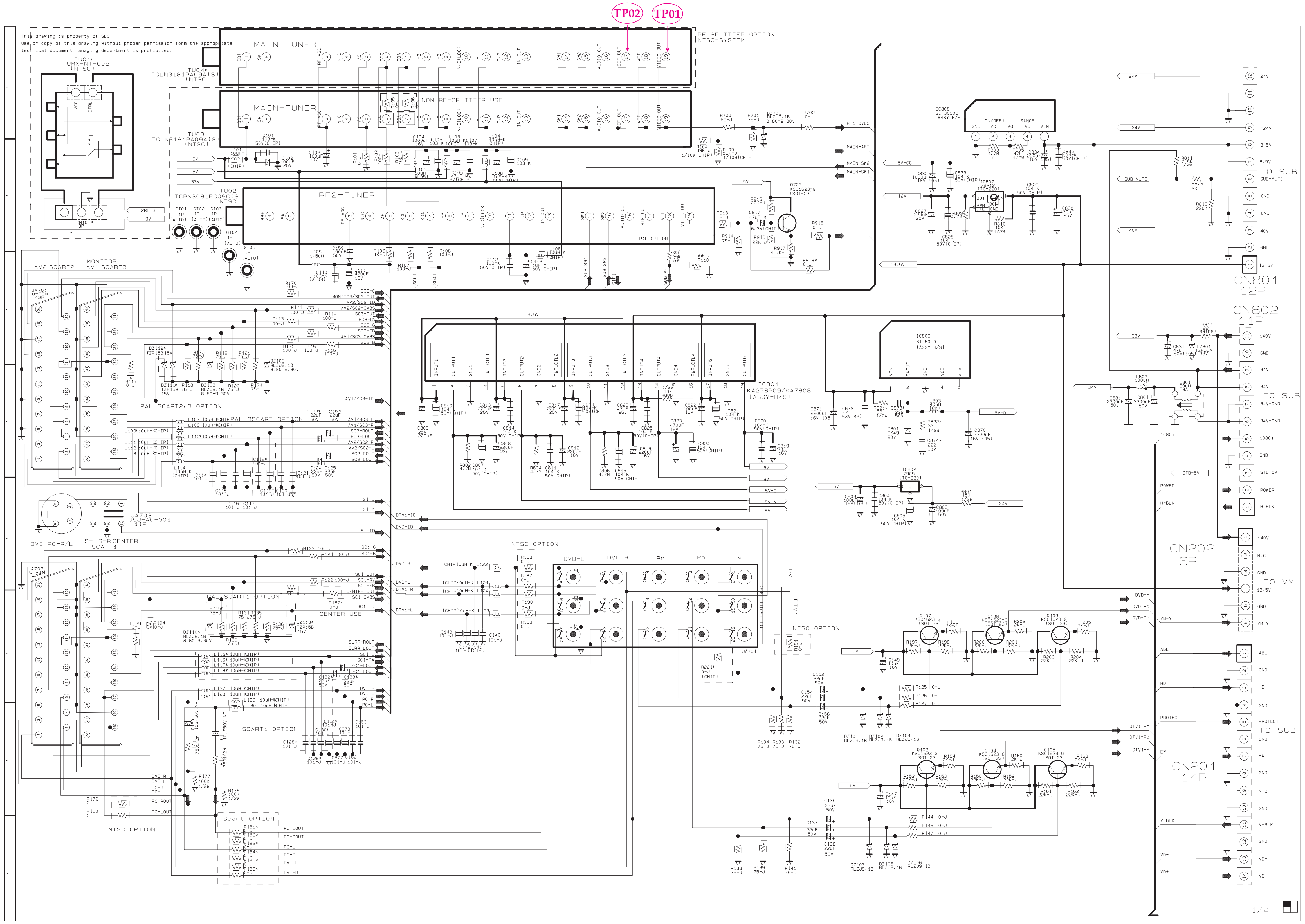
4-2 PWR-DEF


T801S
C816
LX802S
CX803S
LX801S
D831
C832
L862
L863
D856
C863
C852
IC421
D801S
CX802S
LX804S
C814
L821
IC831S
CX801S
CR430S
CR436S
LR401S
C491
SCREEN
GT404
CR431S
Q431
CR471S
T444S
T432
T431
L432
C445
Q433
IC301
T481
D464-A
D464
CR474S
CR473S
Q473
ABL TEST POINT
TO MASTER
F/S CHECK
F/S-CTL
HV-CTL
F/S TEST POINT
HV-OUT
HV-OUT2
J57A/SP47Q7HR POWER/DEF BOARD 2003.09.04 AA41-00776A
J57A/SP47Q7HR
2003.07.14 AA41-00776A POWER/DEF BOARD
CAUTION-FOR CONTINUED PROTECTION AGAINST OF FIRE REPLAC ONLY WITH SAME TYPE T(F)6.3AL 250V FUSE
250V 6.3A
GND
TO D/FOCUS GT834

Loc	Position
D464	A5
DZ481	B5
FD801S	E2
FD805S	F1
FD851S	F1
FD854S	F2
FD855S	G1
FD871S	F2
FP801S	A2
FS801S	D3
IC301	G4
IC471	A3
IC831S	B2
ICS801	E3
Q423	H3
Q433	E4
Q473	H5
R306	H3
R307	E5
R431	F5
R441	F5
R442	H3
R442A	E5
R445	F5
R447	G4
R449	F3
R465	D3
R472	C5
R485	A5
R486	B5
R838	E2
T444S	D5

5. Schematic Diagrams

5-1 MAIN 1/4


TP02
TP01
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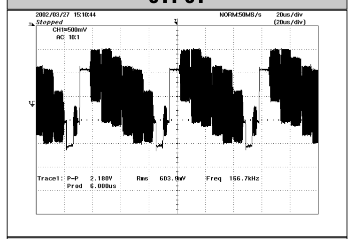
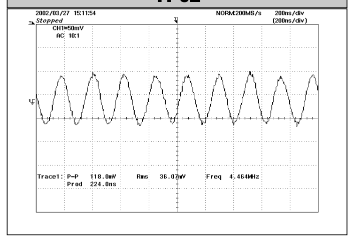
technical-document managing department is prohibited.
MAIN-TUNER
TU01* UMX-NT-005 (NTSC)
TU04* TCLN3181PA09A(S) (NTSC)
RF-SPLITTER OPTION NTSC-SYSTEM
TU03 TCLN3181PA09A(S) (NTSC)
NON RF-SPLITTER USE
TU02 TCPN3081PC09C(S) (NTSC)
RF2-TUNER
PAL OPTION
IC808 SI-3050C (ASSY-H/S)
IC807
MONITOR AV1 SCART3
AV2 SCART2
PAL SCART2-3 OPTION
PAL 3SCART OPTION
JA703 USJ-AG-001 11P
DVI PC-R/L
S-L-S-R CENTER SCART1
PAL SCART1 OPTION
CENTER USE
SCART1 OPTION
NTSC OPTION
Scart_OPTION
IC801 KA278R09/KA7808 (ASSY-H/S)
IC809 SI-8050 (ASSY-H/S)
IC802 7905 (TO-220)
DVD-L DVD-R Pr Pb Y
JA704
NTSC OPTION
DVD
DTV1
CN801 12P
CN802 11P
CN202 6P
CN201 14P
TO SUB
TO VM
1/4

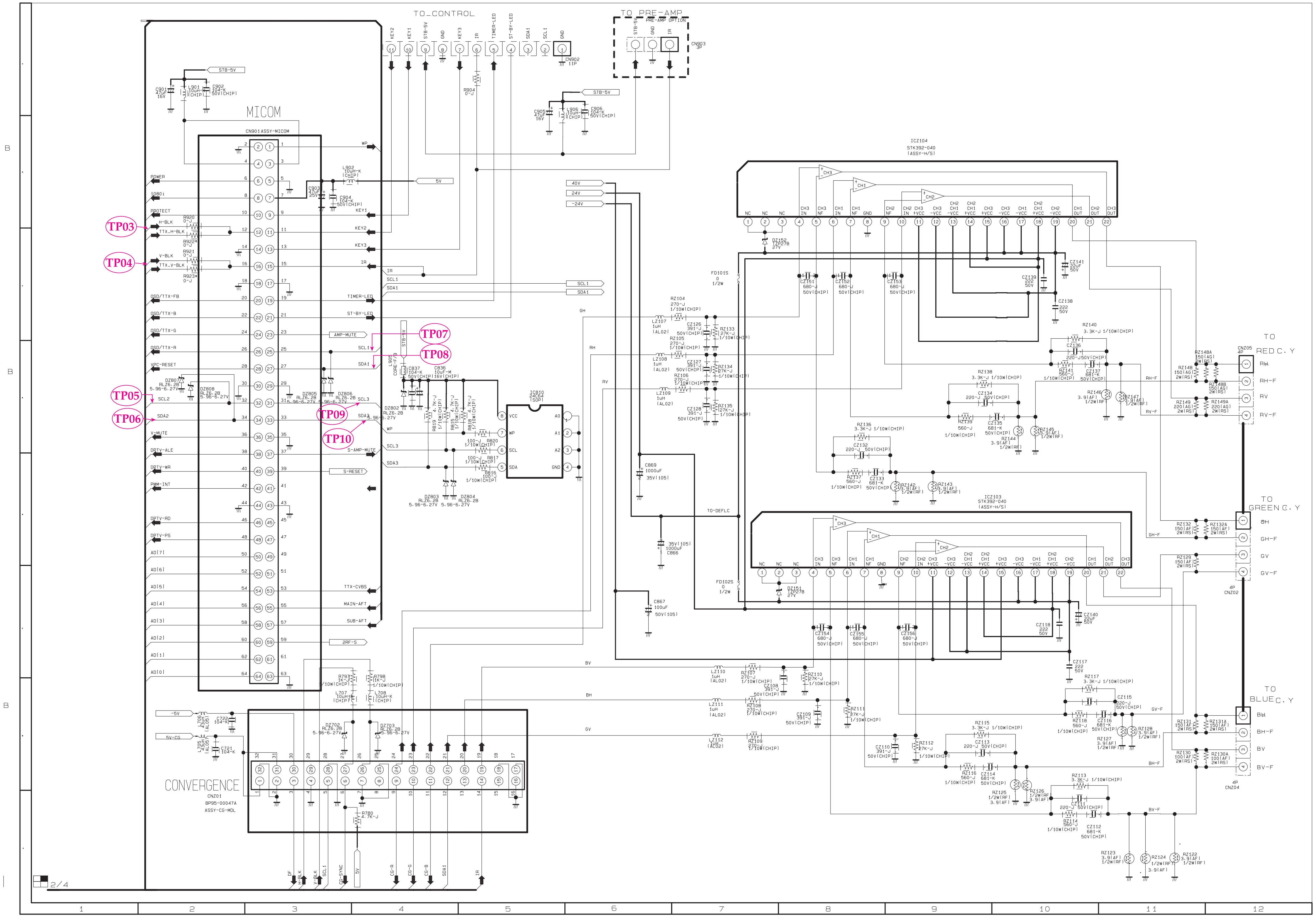
0TP01



TP02



5-2 MAIN 2/4


TO_CONTROL
TO PRE-AMP
PRE-AMP OPTION
MICOM
CN901 ASSY-MICOM
CONVERGENCE
CNZ01
BP95-00047A
ASSY-CG-MDL
ICZ104
STK392-040
(ASSY-H/S)
ICZ103
STK392-040
(ASSY-H/S)
IC810
24C04
(SOP)
TO
RED C. Y
TO
GREEN C. Y
TO
BLUE C. Y
CNZ05
CNZ02
CNZ04
TO-DEFLC
TP03
TP04
TP05
TP06
TP07
TP08
TP09
TP10
2/4
1
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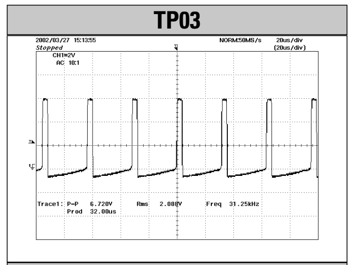
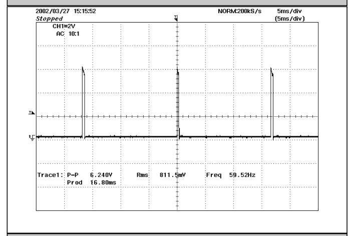
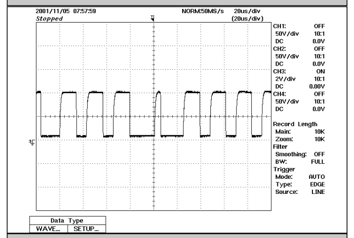
TP03



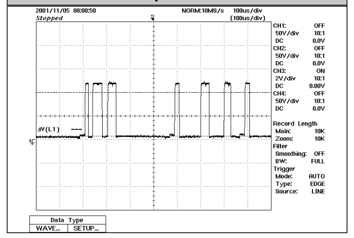
TP04



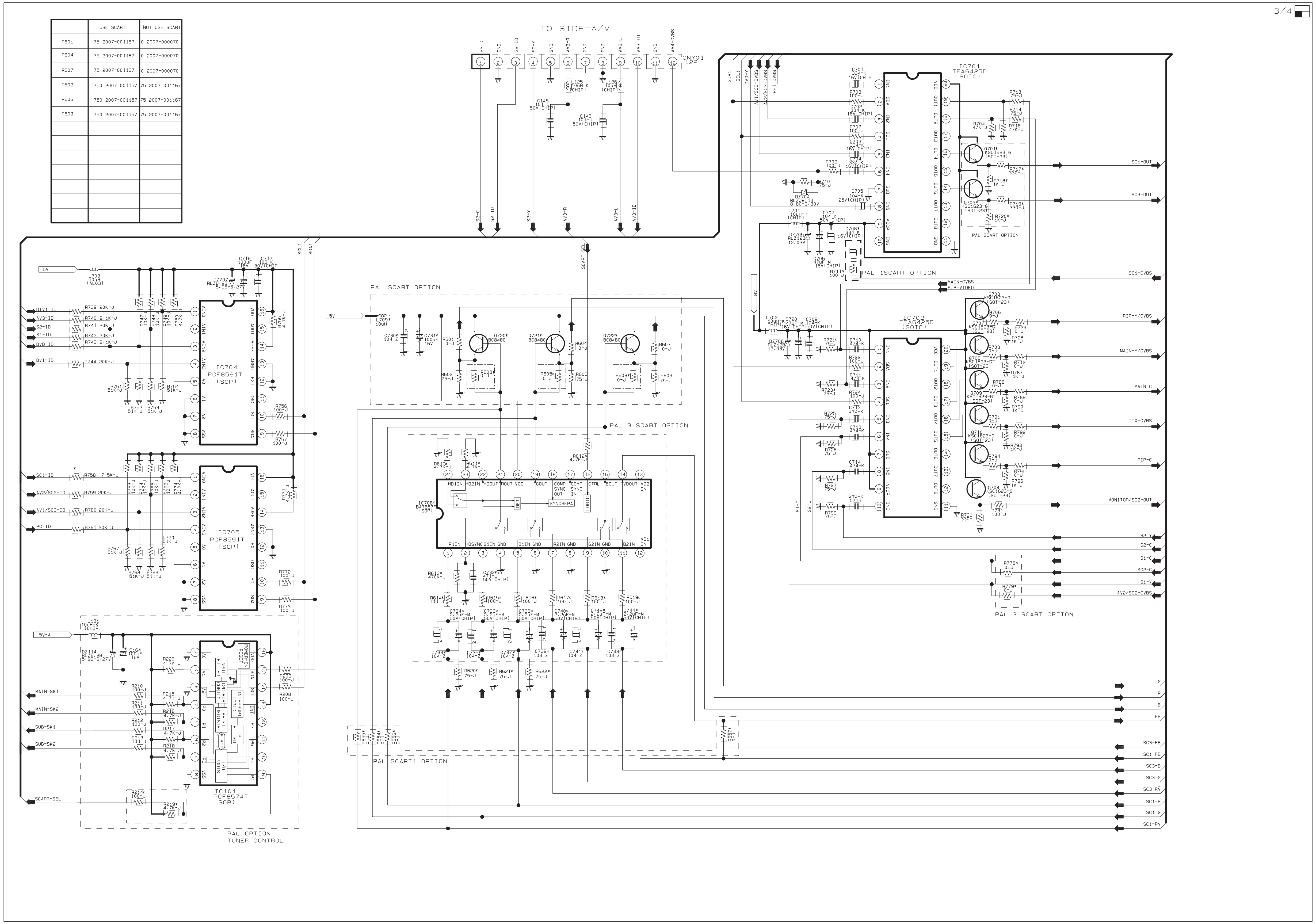
TP05&TP7&TP9



TP06&/TP8&TP10



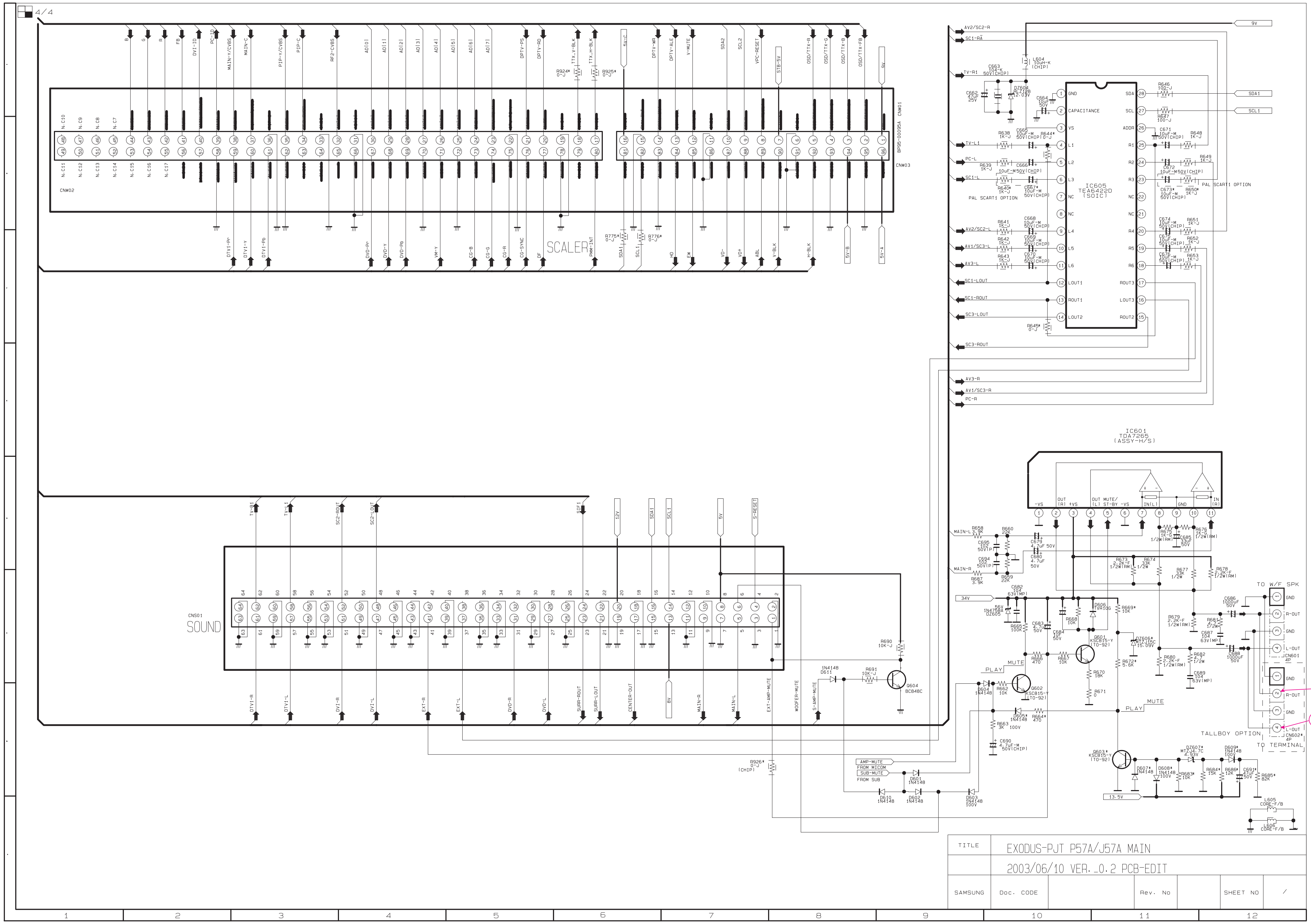
5-3 MAIN 3/4



	USE SCART	NOT USE SCART
R601	75 2007-001167	0 2007-000070
R604	75 2007-001167	0 2007-000070
R607	75 2007-001167	0 2007-000070
R602	750 2007-001157	75 2007-001167
R606	750 2007-001157	75 2007-001167
R609	750 2007-001157	75 2007-001167

3/4
TO SIDE-A/V
S2-C
GND
S2-ID
S2-Y
AV3-R
AV3-L
AV3-ID
AV4-CVBS
CNY01 12P
IC701 TEA6425D (SOIC)
IC702 TEA6425D (SOIC)
IC704 PCF8591T (SOP)
IC705 PCF8591T (SOP)
IC706 BA7657F (SOP)
IC101 PCF8574T (SOP)
PAL SCART OPTION
PAL 3 SCART OPTION
PAL 1SCART OPTION
PAL SCART1 OPTION
PAL OPTION TUNER CONTROL
5V
5V-A
DTV1-ID
AV3-ID
S2-ID
S1-ID
DVD-ID
DVI-ID
SC1-ID
AV2/SC2-ID
AV1/SC3-ID
PC-ID
MAIN-SW1
MAIN-SW2
SUB-SW1
SUB-SW2
SCART-SEL
SCL1
SDA1
DVD-Y
AV1/SC3-CVBS
AV2/SC2-CVBS
RF-CVBS
SC1-OUT
SC3-OUT
SC1-CVBS
MAIN-CVBS
SUB-VIDEO
PIP-Y/CVBS
MAIN-Y/CVBS
MAIN-C
TTX-CVBS
PIP-C
MONITOR/SC2-OUT
S2-Y
S2-C
S1-C
SC2-C
S1-Y
AV2/SC2-CVBS
G
R
B
FB
SC3-FB
SC1-FB
SC3-B
SC3-G
SC3-R
SC1-B
SC1-G
SC1-R
Q701 KSC1623-G (SOT-23)
Q702 KSC1623-G (SOT-23)
Q720 BC848C
Q721 BC848C
Q722 BC848C
8V

5-4 MAIN 4/4


4/4
CNW02
CNW03
BP95-00095A CNW01
SCALER
CNS01
SOUND
IC605
TEA6422D
(SOIC)
IC601
TDA7265
(ASSY-H/S)
PAL SCART1 OPTION
TO W/F SPK
CN601
CN602
TALLBOY OPTION
TO TERMINAL
TP11
TP12
MUTE
PLAY
AMP-MUTE FROM MICOM
SUB-MUTE FROM SUB
TITLE
EXODUS-PJT P57A/J57A MAIN
2003/06/10 VER. 0.2 PCB-EDIT
SAMSUNG
Doc. CODE
Rev. No
SHEET NO
1
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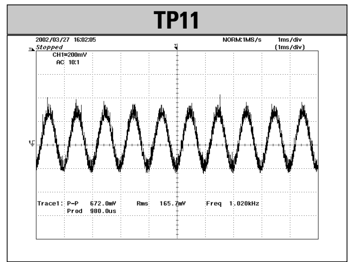
TP11



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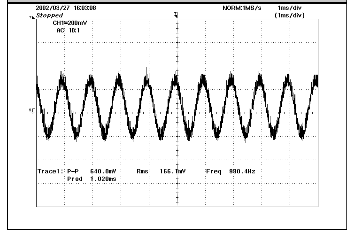
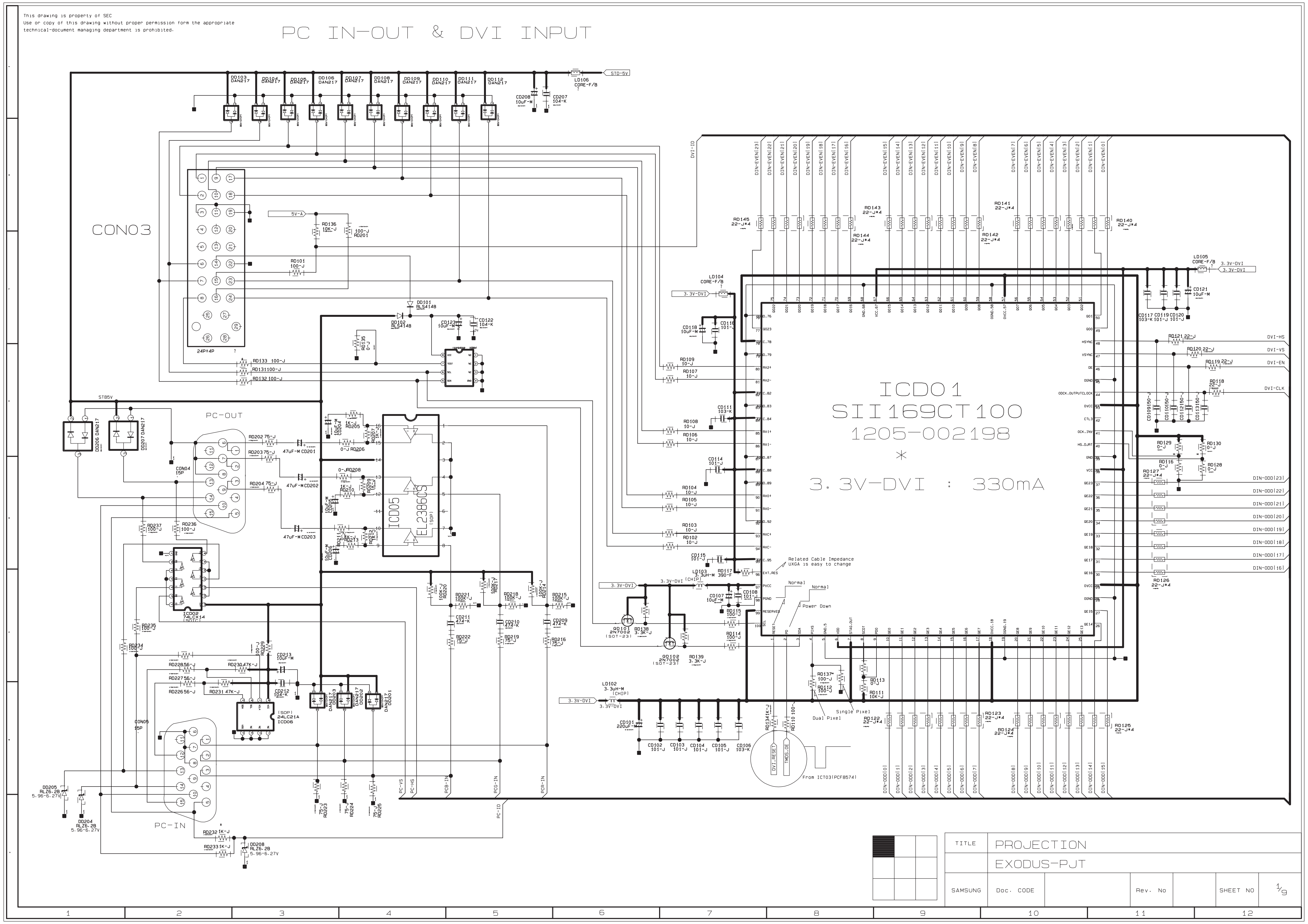


5-5 SCALER 1/9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PC IN-OUT & DVI INPUT
STD-5V
LD106 CORE-F/B
CD208 10uF-M
CD207 104-K
DD103 DAN217
DD104 DAN217
DD105 DAN217
DD106 DAN217
DD107 DAN217
DD108 DAN217
DD109 DAN217
DD110 DAN217
DD111 DAN217
DD112 DAN217
CON03
24P14P
5V-A
RD136 10K-J
RD201 100-J
RD101 100-J
DD101 RLS4148
DD102 RLS4148
CD123 10uF-M
CD122 104-K
RD135 0-J
RD133 100-J
RD131 100-J
RD132 100-J
STB5V
DD206 DAN217
DD207 DAN217
PC-OUT
CON04 15P
RD202 75-J
RD203 75-J
RD204 75-J
47uF-M CD201
47uF-M CD202
47uF-M CD203
RD237 100-J
RD236 100-J
ICD02 24LC*14 (SOIC)
RD235 100-J
RD234 100-J
ICD05
EL2386CS (SOP)
RD205
RD206 0-J
RD208 0-J
RD210
RD221 100K-J
RD218 100K-J
RD215 100K-J
CD211 474-K
CD210 474-K
CD209 474-K
RD222 75-J
RD219 75-J
RD216 75-J
RD229 100-J
CD213 10uF-M
RD228 56-J
RD230 47K-J
RD227 56-J
RD226 56-J
RD231 47K-J
CD212 22-K
(SOP) 24LC21A ICD06
DD203 DAN217
DD202 DAN217
DD201 DAN217
CON05 15P
DD205 RLZ6.2B 5.96~6.27V
DD204 RLZ6.2B 5.96~6.27V
PC-IN
RD232 1K-J
RD233 1K-J
DD208 RLZ6.2B 5.96~6.27V
RD223 75-J
RD224 75-J
RD225 75-J
PC-VS
PC-HS
PCB-IN
PCG-IN
PCR-IN
PC-ID
DVI-ID
DIN-EVEN[23]
DIN-EVEN[22]
DIN-EVEN[21]
DIN-EVEN[20]
DIN-EVEN[19]
DIN-EVEN[18]
DIN-EVEN[17]
DIN-EVEN[16]
DIN-EVEN[15]
DIN-EVEN[14]
DIN-EVEN[13]
DIN-EVEN[12]
DIN-EVEN[11]
DIN-EVEN[10]
DIN-EVEN[9]
DIN-EVEN[8]
DIN-EVEN[7]
DIN-EVEN[6]
DIN-EVEN[5]
DIN-EVEN[4]
DIN-EVEN[3]
DIN-EVEN[2]
DIN-EVEN[1]
DIN-EVEN[0]
RD145 22-J*4
RD143 22-J*4
RD144 22-J*4
RD141 22-J*4
RD142 22-J*4
RD140 22-J*4
LD105 CORE-F/B
3.3V-DVI
LD104 CORE-F/B
CD121 10uF-M
CD117 103-K
CD119 101-J
CD120 101-J
CD118 10uF-M
CD116 101-J
RD109 10-J
RD107 10-J
RD108 10-J
RD106 10-J
RD104 10-J
RD105 10-J
RD103 10-J
RD102 10-J
CD111 103-K
CD114 101-J
CD115 101-J
ICD01
SII169CT100
1205-002198
*
3.3V-DVI : 330mA
RD121 22-J
RD120 22-J
RD119 22-J
RD118 22-J
DVI-HS
DVI-VS
DVI-EN
DVI-CLK
CD109 150-J
CD110 150-J
CD112 150-J
CD113 150-J
RD129 0-J
RD130 0-J
RD116 0-J
RD128 0-J
RD127 22-J*4
RD126 22-J*4
DIN-ODD[23]
DIN-ODD[22]
DIN-ODD[21]
DIN-ODD[20]
DIN-ODD[19]
DIN-ODD[18]
DIN-ODD[17]
DIN-ODD[16]
Related Cable Impedance
UXGA is easy to change
LD103 3.3uH-M (CHIP)
RD117 390-F
CD107 10uF-M
CD108 101-J
Normal
Normal
Power Down
RD115 100-J
RD114 100-J
QD101 2N7002 (SOT-23)
RD138 3.3K-J
QD102 2N7002 (SOT-23)
RD139 3.3K-J
LD102 3.3uH-M (CHIP)
CD101 220uF
CD102 101-J
CD103 101-J
CD104 101-J
CD105 101-J
CD106 103-K
RD137 100-J
RD112 100-J
RD113 0-J
RD111 10K-J
RD134 1K-J
RD110 100-J
Single Pixel
Dual Pixel
DVI_RESET
MODE_OE
From ICT03(PCF8574)
RD123 22-J*4
RD122 22-J*4
RD124 22-J*4
RD125 22-J*4
DIN-ODD[0]
DIN-ODD[1]
DIN-ODD[2]
DIN-ODD[3]
DIN-ODD[4]
DIN-ODD[5]
DIN-ODD[6]
DIN-ODD[7]
DIN-ODD[8]
DIN-ODD[9]
DIN-ODD[10]
DIN-ODD[11]
DIN-ODD[12]
DIN-ODD[13]
DIN-ODD[14]
DIN-ODD[15]
TITLE
PROJECTION
EXODUS-PJT
SAMSUNG
Doc. CODE
Rev. No
SHEET NO
1/9
1
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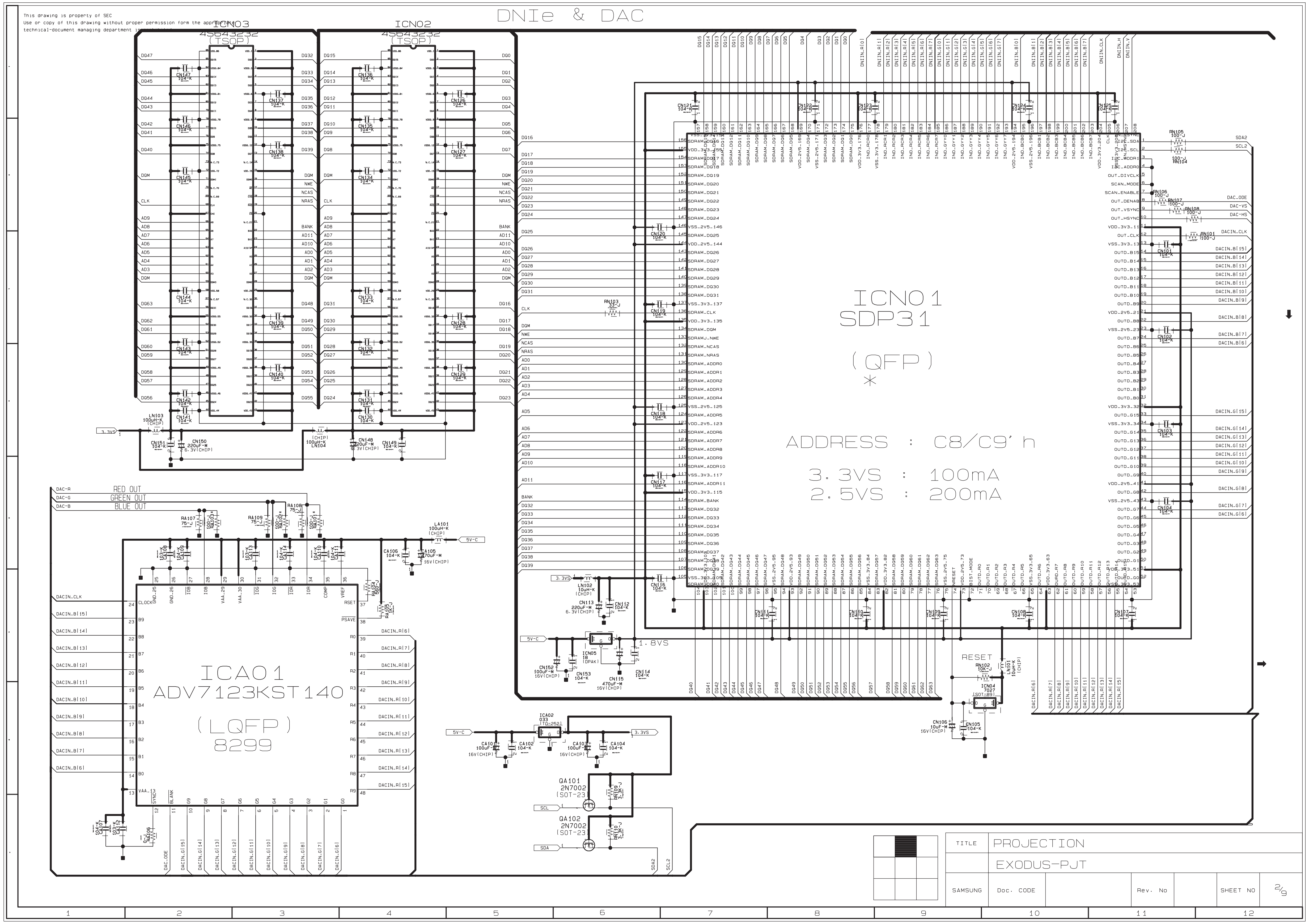
5-6 SCALER 2/9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DNIe & DAC
ICN03
4S643232
(TSOP)
ICN02
4S643232
(TSOP)
ICN01
SDP31
(QFP)
*
ADDRESS : C8/C9' h
3.3VS : 100mA
2.5VS : 200mA
ICA01
ADV7123KST140
(LQFP)
8299
RED OUT
GREEN OUT
BLUE OUT
DAC-R
DAC-G
DAC-B
ICN05
1.8VS
ICA02
RESET
ICN04
QA101
2N7002
(SOT-23)
QA102
2N7002
(SOT-23)
SCL
SDA
SDA2
SCL2
3.3VS
5V-C
TITLE
PROJECTION
EXODUS-PJT
SAMSUNG
Doc. CODE
Rev. No
SHEET NO
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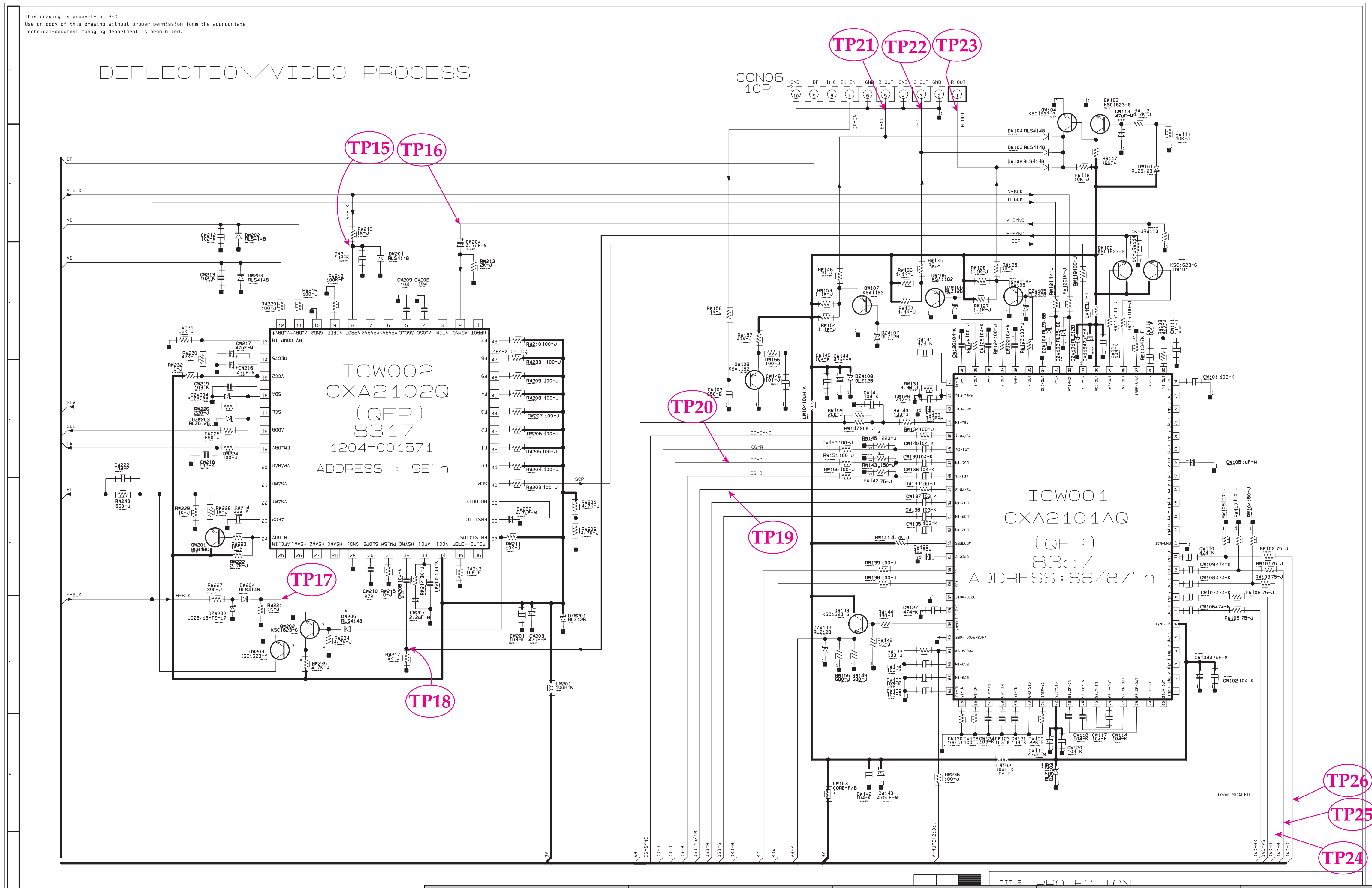
5-7 SCALER 3/9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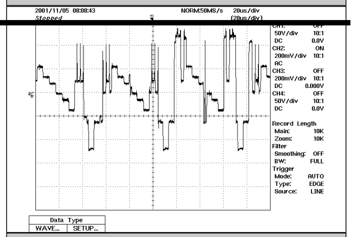
DEFLECTION/VIDEO PROCESS
CON06
10P
GND
DF
N-C
IK-IN
GND
B-OUT
GND
G-OUT
GND
R-OUT
ICW002
CXA2102Q
(QFP)
8317
1204-001571
ADDRESS : 9E' h
ICW001
CXA2101AQ
(QFP)
8357
ADDRESS : 86/87' h
TP15
TP16
TP17
TP18
TP19
TP20
TP21
TP22
TP23
TP24
TP25
TP26
DF
V-BLK
VD-
VD+
SDA
SCL
EW
HD
H-BLK
from SCALER
TITLE
PROJECTION

TP21



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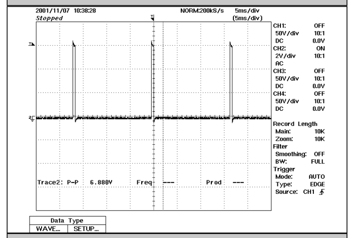
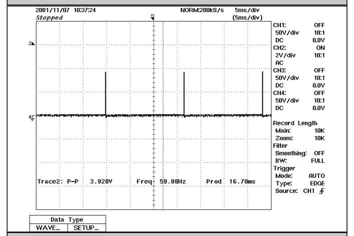
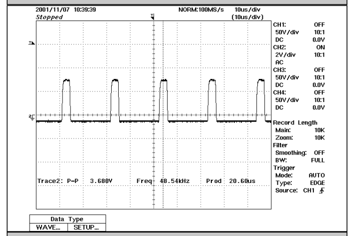


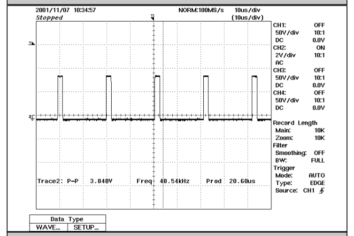
TP23



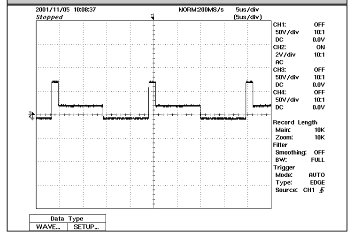
TP24



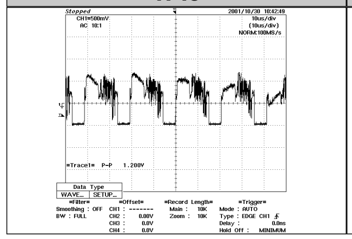
TP25



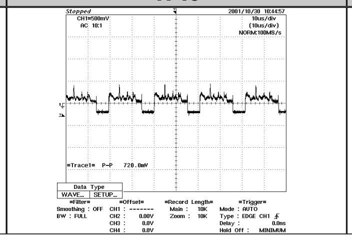
TP26



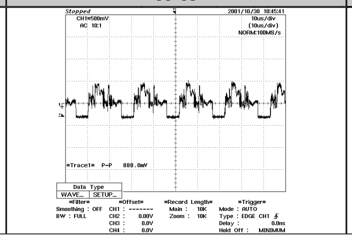
TP15



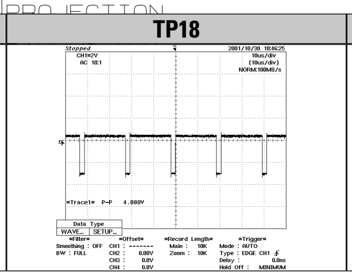
TP16



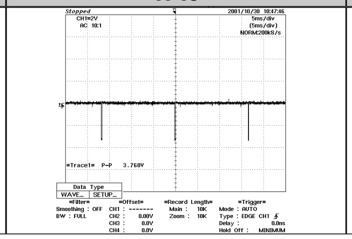
TP17



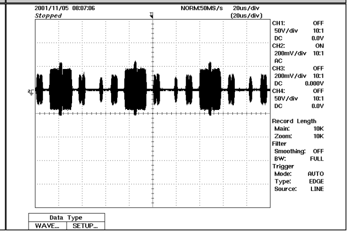
TP18



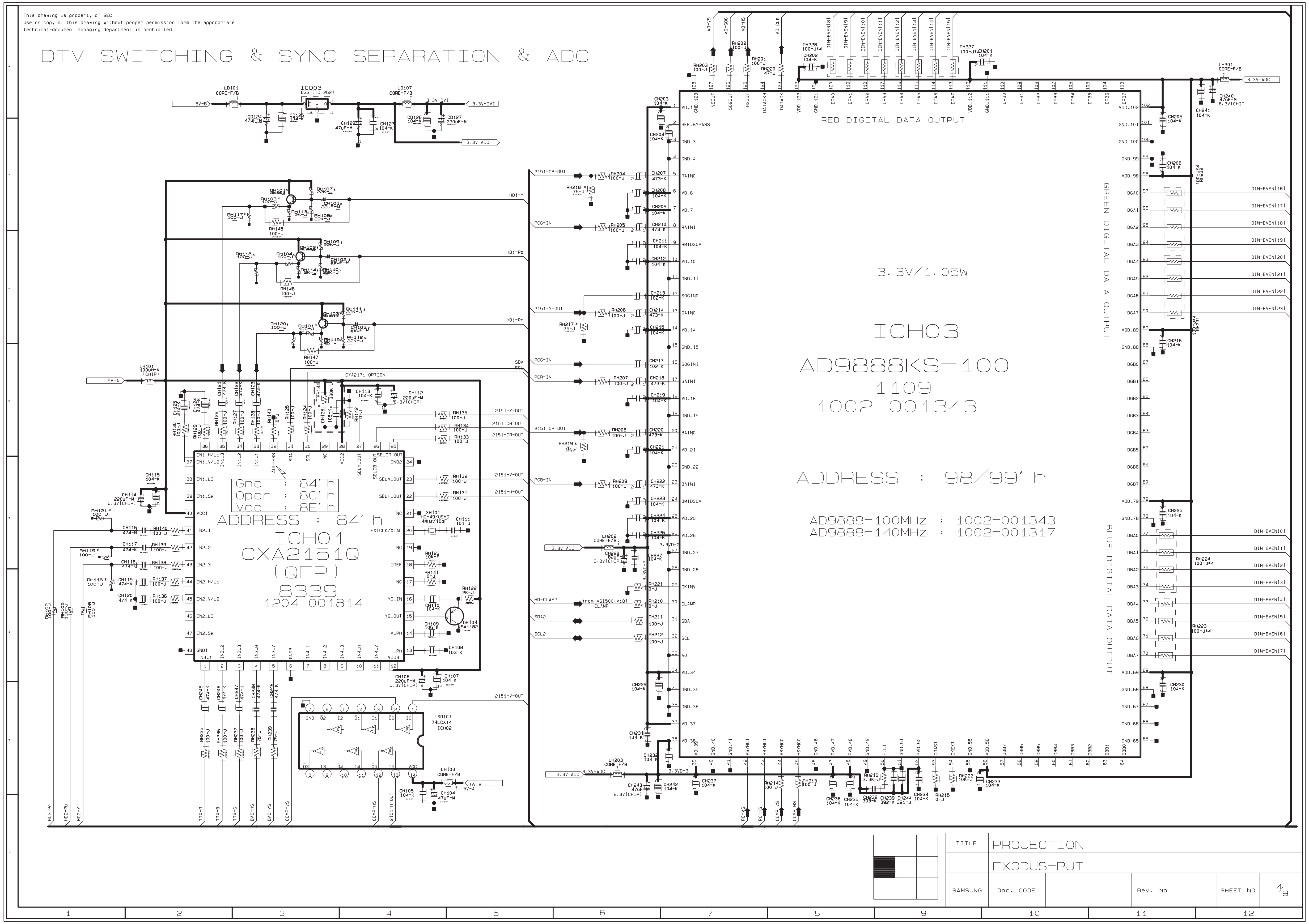
TP19



TP20



5-8 SCALER 4/9


This drawing is property of SEC
Use or copy of this drawing without proper permission form the appropriate
technical-document managing department is prohibited.
DTV SWITCHING & SYNC SEPARATION & ADC
ICH01
CXA2151Q
(QFP)
8339
1204-001814
Gnd : 84'h
Open : 8C'h
Vcc : 8E'h
ADDRESS : 84'h
ICH03
AD9888KS-100
1109
1002-001343
3.3V/1.05W
ADDRESS : 98/99'h
AD9888-100MHz : 1002-001343
AD9888-140MHz : 1002-001317
RED DIGITAL DATA OUTPUT
GREEN DIGITAL DATA OUTPUT
BLUE DIGITAL DATA OUTPUT
(SOIC)
74LCX14
ICH02
ICD03
LD101
LD107
LH101
LH201
LH202
LH203
LH103
CXA2171 OPTION
3.3V-DVI
3.3V-ADC
5V-B
5V-A
TITLE
PROJECTION
EXODUS-PJT
SAMSUNG
Doc. CODE
Rev. No
SHEET NO
4/9
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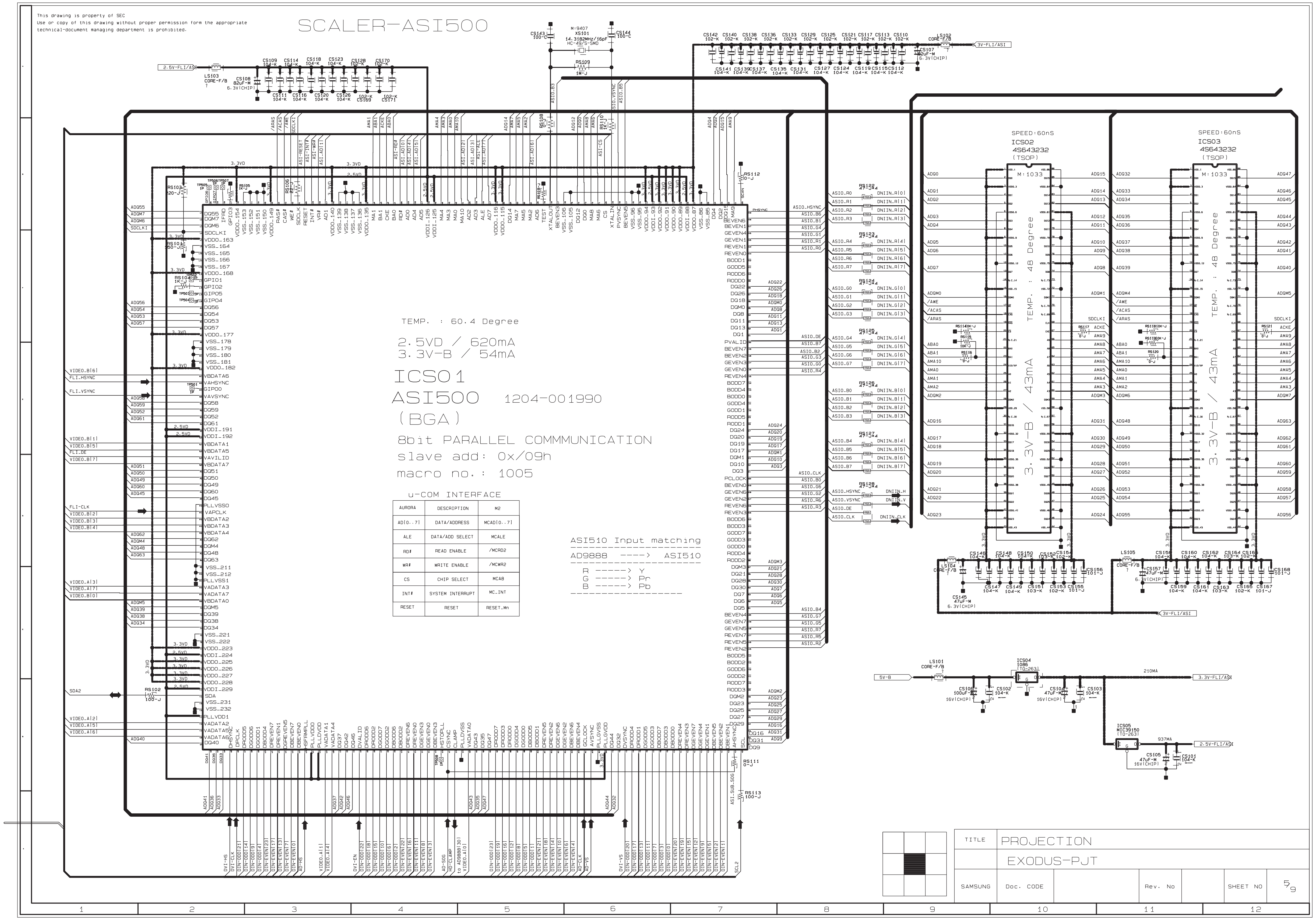
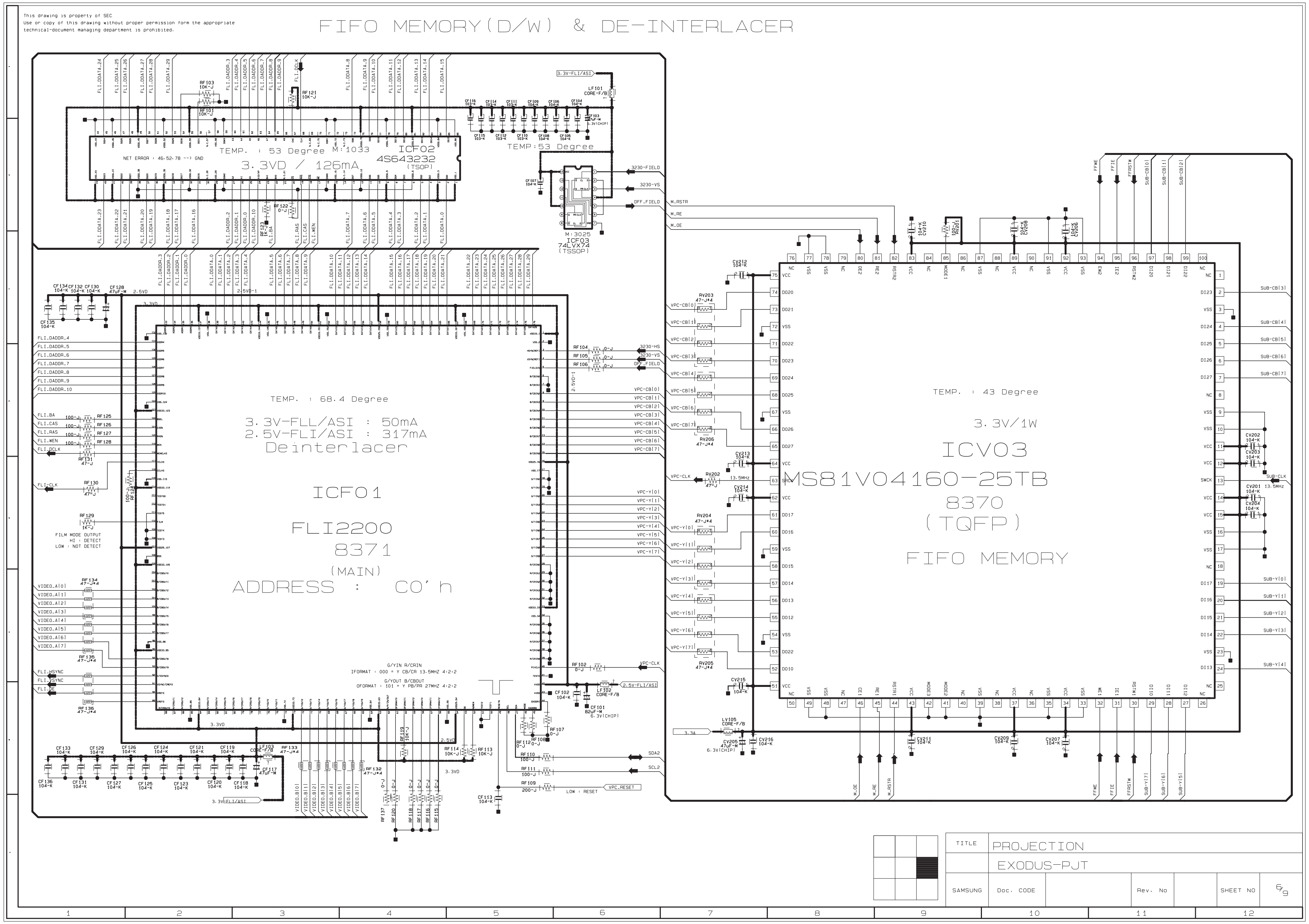
5-9 SCALER 5/9


This drawing is property of SEC
Use or copy of this drawing without proper permission form the appropriate technical-document managing department is prohibited.
SCALER-ASI500
TEMP. : 60.4 Degree
2.5VD / 620mA
3.3V-B / 54mA
ICS01
ASI500
1204-001990
(BGA)
8bit PARALLEL COMMMUNICATION
slave add: 0x/09h
macro no.: 1005
u-COM INTERFACE
ASI510 Input matching
AD9888 ----> ASI510
R ------> Y
G ------> Pr
B ------> Pb
SPEED:60nS
ICS02
4S643232
(TSOP)
M:1033
TEMP. : 48 Degree
3.3V-B / 43mA
ICS03
4S643232
(TSOP)
ICS04
1086
ICS05
MIC39150
2.5V-FLI/ASI
3.3V-FLI/ASI
5V-B
210MA
937MA
XS101
14.3182MHz/16pF
TITLE
PROJECTION
EXODUS-PJT
SAMSUNG
Doc. CODE
Rev. No
SHEET NO
5/9

AURORA	DESCRIPTION	M2
AD[0..7]	DATA/ADDRESS	MCAD[0..7]
ALE	DATA/ADD SELECT	MCALE
RD#	READ ENABLE	/MCRD2
WR#	WRITE ENABLE	/MCWR2
CS	CHIP SELECT	MCA8
INT#	SYSTEM INTERRUPT	MC_INT
RESET	RESET	RESET_Mn

5-10 SCALER 6/9


This drawing is property of SEC
Use or copy of this drawing without proper permission form the appropriate technical-document managing department is prohibited.
FIFO MEMORY(D/W) & DE-INTERLACER
TEMP. : 53 Degree
M:1033
ICF02
4S643232
(TSOP)
3.3VD / 126mA
NET ERROR : 46-52-78 --> GND
TEMP:53 Degree
LF101
CORE-F/B
3.3V-FLI/ASI
3230-FIELD
3230-VS
DFF_FIELD
M:3025
ICF03
74LVX74
(TSSOP)
M_RSTR
M_RE
M_OE
TEMP. : 68.4 Degree
3.3V-FLL/ASI : 50mA
2.5V-FLI/ASI : 317mA
Deinterlacer
ICF01
FLI2200
8371
(MAIN)
ADDRESS : C0'h
FILM MODE OUTPUT
HI : DETECT
LOW : NOT DETECT
G/YIN R/CRIN
IFORMAT : 000 = Y CB/CR 13.5MHZ 4:2:2
G/YOUT B/CBOUT
OFORMAT : 101 = Y PB/PR 27MHZ 4:2:2
3230-HS
VPC-CLK
SDA2
SCL2
VPC_RESET
LOW : RESET
2.5V-FLI/ASI
3.3V-FLI/ASI
TEMP. : 43 Degree
3.3V/1W
ICV03
MS81V04160-25TB
8370
(TQFP)
FIFO MEMORY
SUB-CB[0]
SUB-CB[1]
SUB-CB[2]
SUB-CB[3]
SUB-CB[4]
SUB-CB[5]
SUB-CB[6]
SUB-CB[7]
SUB-CLK
SUB-Y[0]
SUB-Y[1]
SUB-Y[2]
SUB-Y[3]
SUB-Y[4]
SUB-Y[5]
SUB-Y[6]
SUB-Y[7]
FFWE
FFIE
FFRSTW
TITLE
PROJECTION
EXODUS-PJT
SAMSUNG
Doc. CODE
Rev. No
SHEET NO
6/9
1
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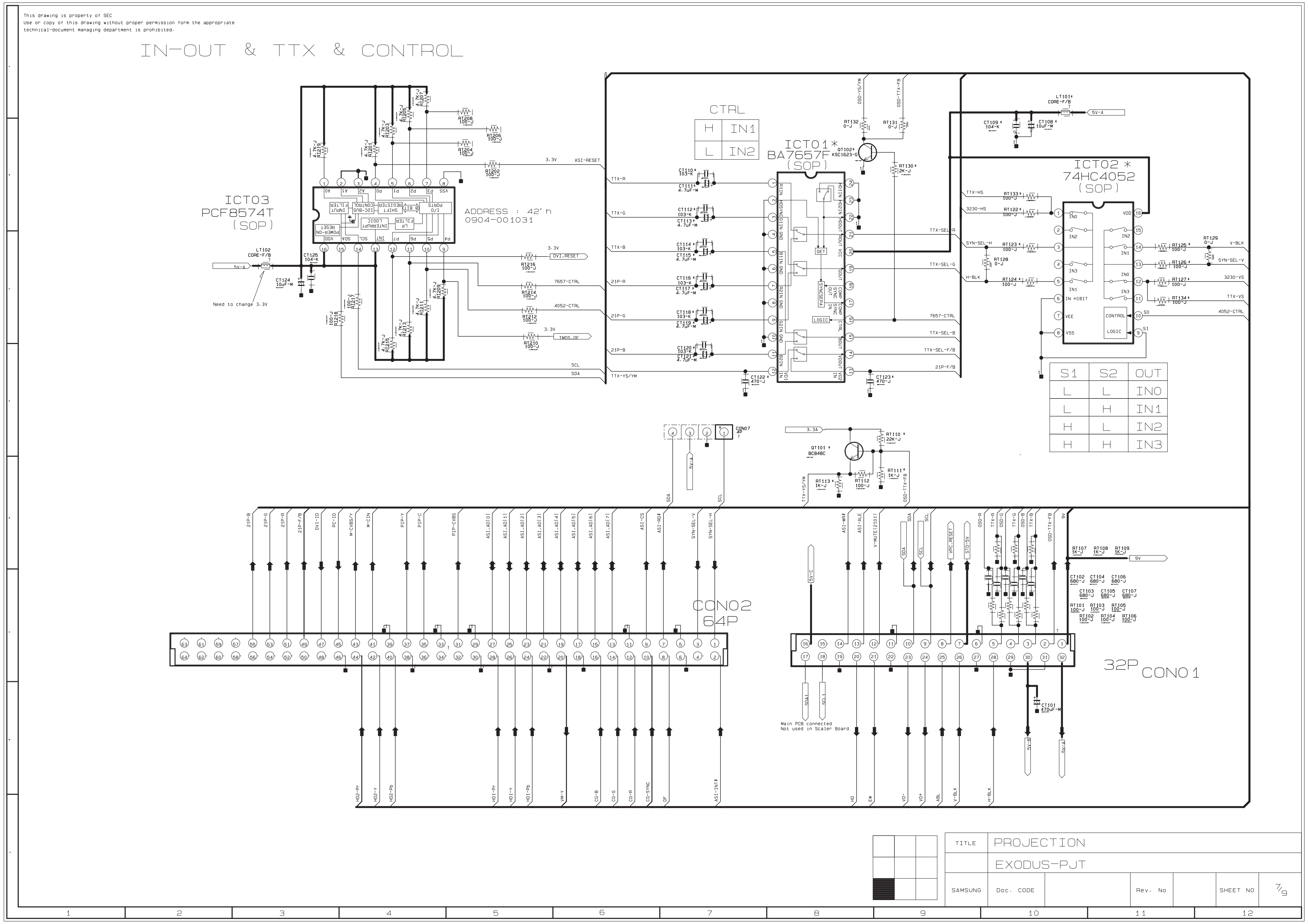
5-11 SCALER 7/9


This drawing is property of SEC
Use or copy of this drawing without proper permission form the appropriate
technical-document managing department is prohibited.
IN-OUT & TTX & CONTROL
ICT03
PCF8574T
(SOP)
ADDRESS : 42'h
0904-001031
Need to change 3.3V
CTRL
H IN1
L IN2
ICT01*
BA7657F
(SOP)
ICT02 *
74HC4052
(SOP)
S1 S2 OUT
L L IN0
L H IN1
H L IN2
H H IN3
CN007
QT101 *
BC848C
QT102*
KSC1623-G
CON02
64P
32P
CON01
Main PCB connected
Not used in Scaler Board
TITLE
PROJECTION
EXODUS-PJT
SAMSUNG
Doc. CODE
Rev. No
SHEET NO
7/9
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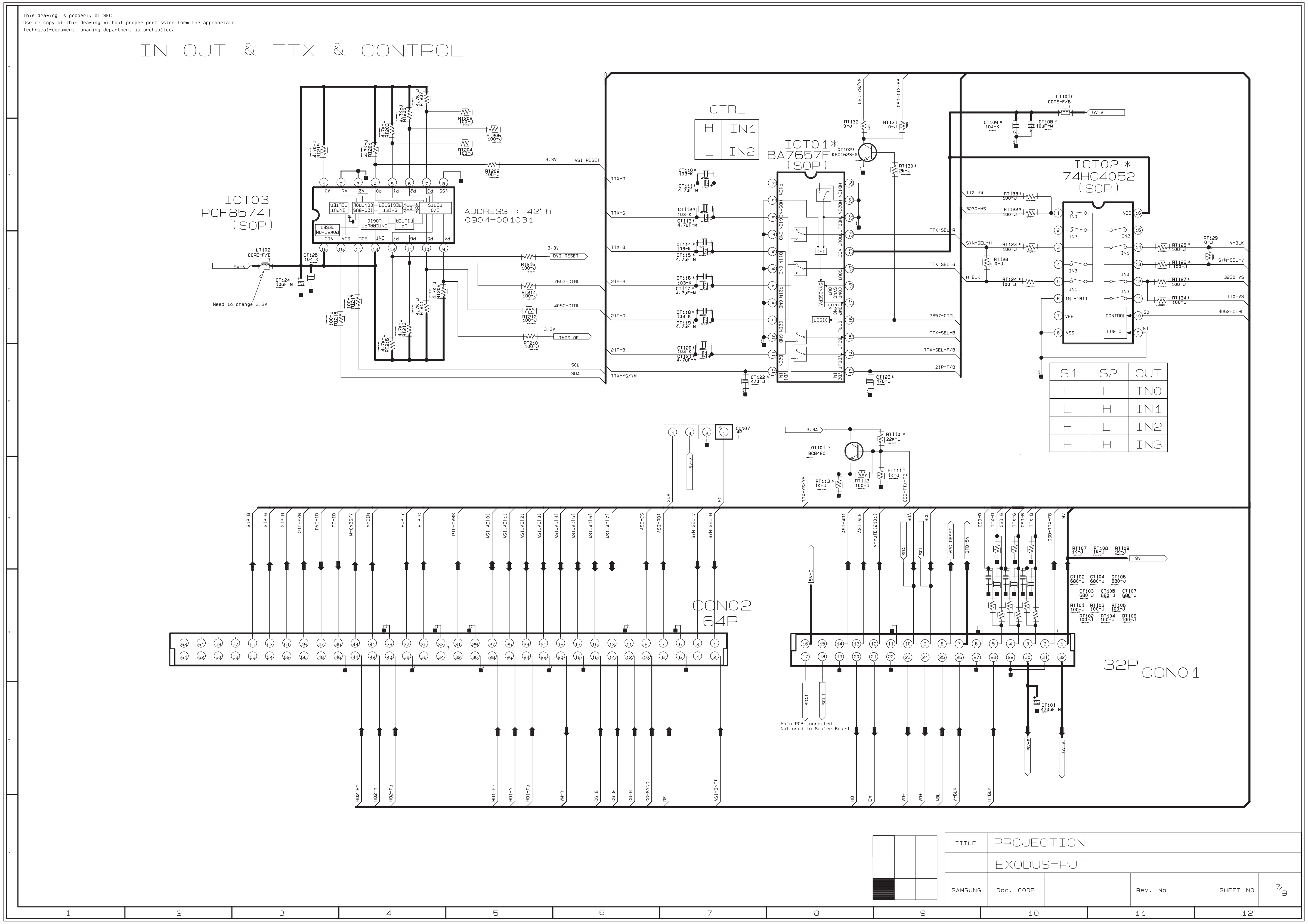
5-12 SCALER 7/9


This drawing is property of SEC
Use or copy of this drawing without proper permission form the appropriate
technical-document managing department is prohibited.
IN-OUT & TTX & CONTROL
ICT03
PCF8574T
(SOP)
ADDRESS : 42'h
0904-001031
CTRL
H IN1
L IN2
ICT01*
BA7657F
(SOP)
ICT02 *
74HC4052
(SOP)
S1 S2 OUT
L L IN0
L H IN1
H L IN2
H H IN3
CON07
CON02
64P
32P
CON01
Need to change 3.3V
Main PCB connected
Not used in Scaler Board
TITLE
PROJECTION
EXODUS-PJT
SAMSUNG
Doc. CODE
Rev. No
SHEET NO
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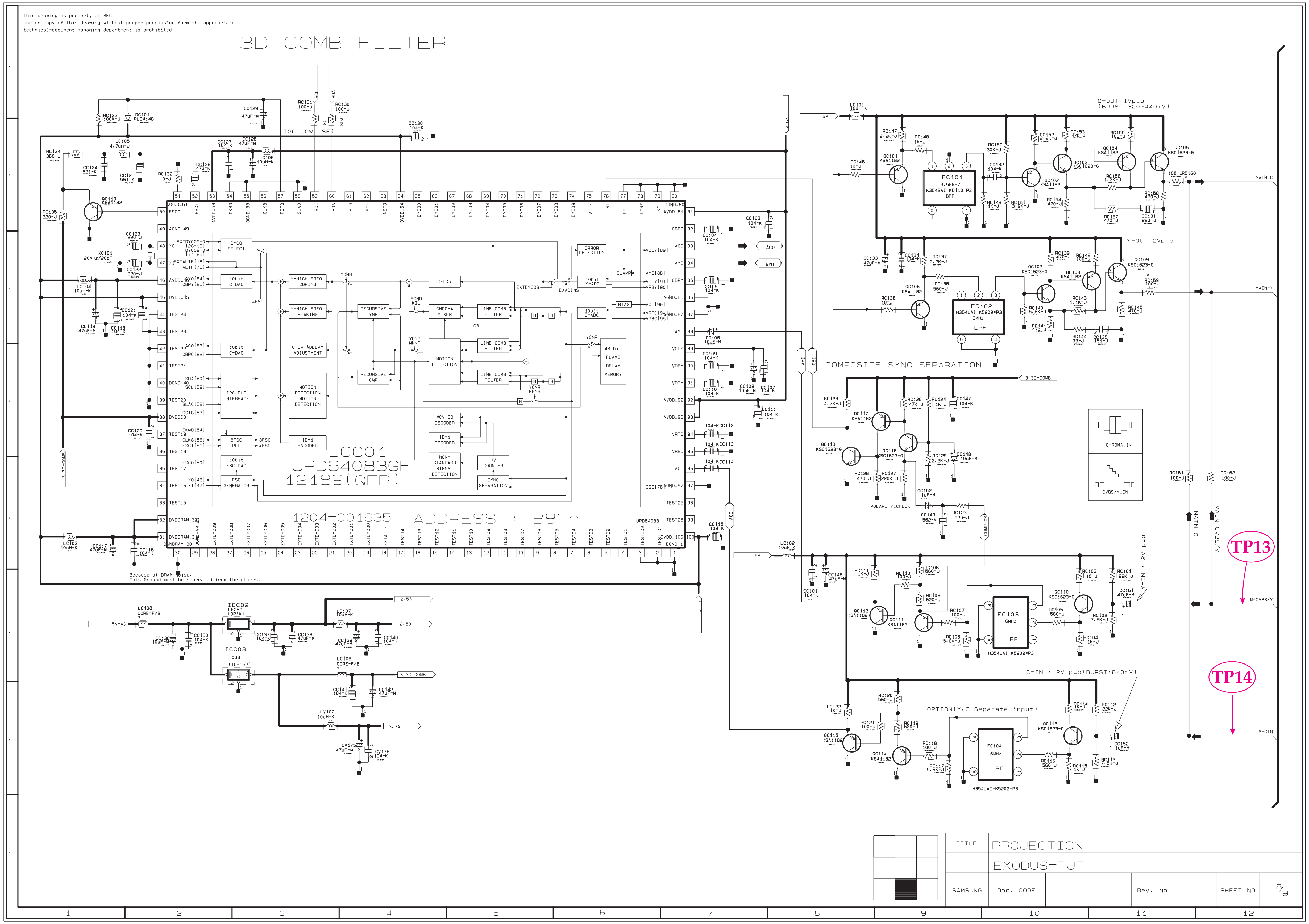
]

5-13 SCALER 8/9


This drawing is property of SEC
Use or copy of this drawing without proper permission form the appropriate technical-document managing department is prohibited.
3D-COMB FILTER
I2C:LOW USE
ICC01
UPD64083GF
12189(QFP)
1204-001935 ADDRESS : B8'h
DYCO SELECT
ERROR DETECTION
10bit C-DAC
Y-HIGH FREQ. CORING
DELAY
10bit Y-ADC
CLAMP
Y-HIGH FREQ. PEAKING
RECURSIVE YNR
CHROMA MIXER
LINE COMB FILTER
BIAS
10bit C-ADC
C-BPF&DELAY ADJUSTMENT
MOTION DETECTION
4M bit FLAME DELAY MEMORY
RECURSIVE CNR
I2C BUS INTERFACE
MOTION DETECTION MOTION DETECTION
WCV-ID DECODER
ID-1 DECODER
ID-1 ENCODER
BFSC PLL
10bit FSC-DAC
FSC GENERATOR
NON-STANDARD SIGNAL DETECTION
HV COUNTER
SYNC SEPARATION
Because of DRAM Noise.
This Ground must be seperated from the others.
XC101 20MHZ/20pF
ICC02 LF25C (DPAK)
ICC03 033 (TO-252)
5V-A
2.5A
2.5D
3.3D-COMB
3.3A
9V
C-OUT:1Vp_p (BURST:320-440mV)
FC101 3.58MHZ K3548AI-K5110-P3 BPF
Y-OUT:2Vp_p
FC102 H354LAI-K5202=P3 6MHz LPF
COMPOSITE_SYNC_SEPARATION
POLARITY_CHECK
CHROMA_IN
CVBS/Y_IN
MAIN-C
MAIN-Y
MAIN C
MAIN CVBS/Y
Y-IN : 2V p_p
FC103 6MHz LPF H354LAI-K5202=P3
M-CVBS/Y
C-IN : 2V p_p(BURST:640mV)
OPTION(Y/C Separate input)
FC104 6MHz LPF H354LAI-K5202=P3
M-CIN
TP13
TP14
TITLE PROJECTION
EXODUS-PJT
SAMSUNG
Doc. CODE
Rev. No
SHEET NO
8/9
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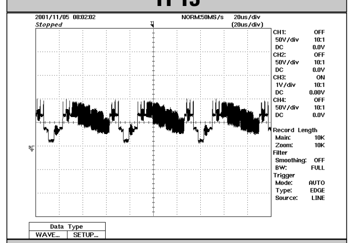
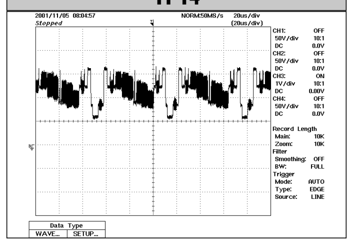
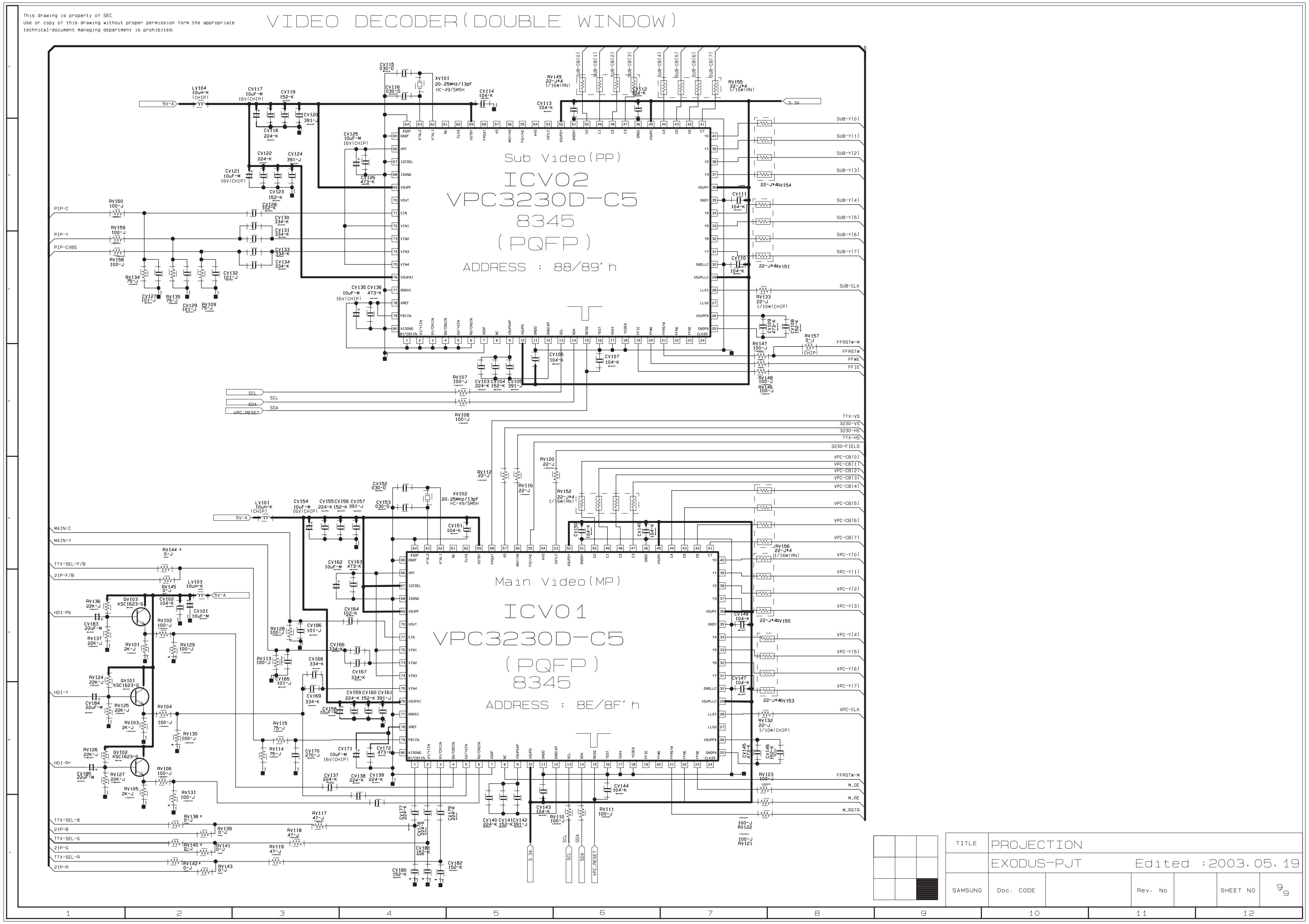
TP13



TP14



5-14 SCALER 9/9


This drawing is property of SEC
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technical-document managing department is prohibited.
VIDEO DECODER(DOUBLE WINDOW)
Sub Video(PP)
ICV02
VPC3230D-C5
8345
(PQFP)
ADDRESS : 88/89'h
Main Video(MP)
ICV01
VPC3230D-C5
(PQFP)
8345
ADDRESS : 8E/8F'h
XV101
20.25MHz/13pF
HC-49/SMSH
XV102
20.25MHz/13pF
HC-49/SMSH
5V-A
3.3A
PIP-C
PIP-Y
PIP-CVBS
MAIN-C
MAIN-Y
TTX-SEL-F/B
2IP-F/B
HDI-Pb
HDI-Y
HDI-Pr
TTX-SEL-B
2IP-B
TTX-SEL-G
2IP-G
TTX-SEL-R
2IP-R
QV103 KSC1623-G
QV101 KSC1623-G
QV102 KSC1623-G
SCL
SDA
VPC_RESET
SUB-Y[0]
SUB-Y[1]
SUB-Y[2]
SUB-Y[3]
SUB-Y[4]
SUB-Y[5]
SUB-Y[6]
SUB-Y[7]
SUB-CLK
SUB-CB[0]
SUB-CB[1]
SUB-CB[2]
SUB-CB[3]
SUB-CB[4]
SUB-CB[5]
SUB-CB[6]
SUB-CB[7]
FFRSTW-M
FFRSTW
FFWE
FFIE
TTX-VS
3230-VS
3230-HS
TTX-HS
3230-FIELD
VPC-CB[0]
VPC-CB[1]
VPC-CB[2]
VPC-CB[3]
VPC-CB[4]
VPC-CB[5]
VPC-CB[6]
VPC-CB[7]
VPC-Y[0]
VPC-Y[1]
VPC-Y[2]
VPC-Y[3]
VPC-Y[4]
VPC-Y[5]
VPC-Y[6]
VPC-Y[7]
VPC-CLK
M_OE
M_RE
M_RSTR
TITLE
PROJECTION
EXODUS-PJT
Edited :2003.05.19
SAMSUNG
Doc. CODE
Rev. No
SHEET NO
9
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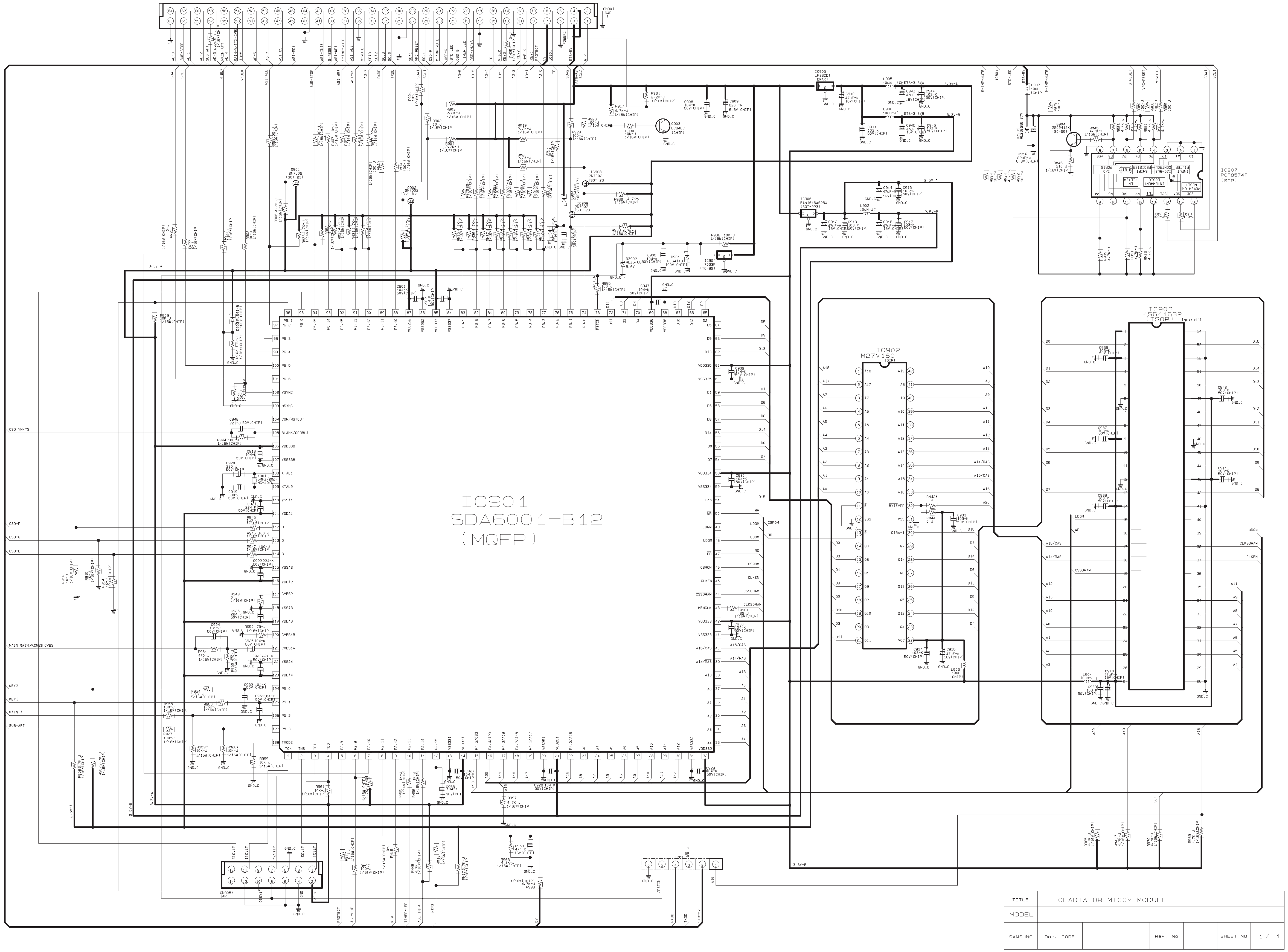
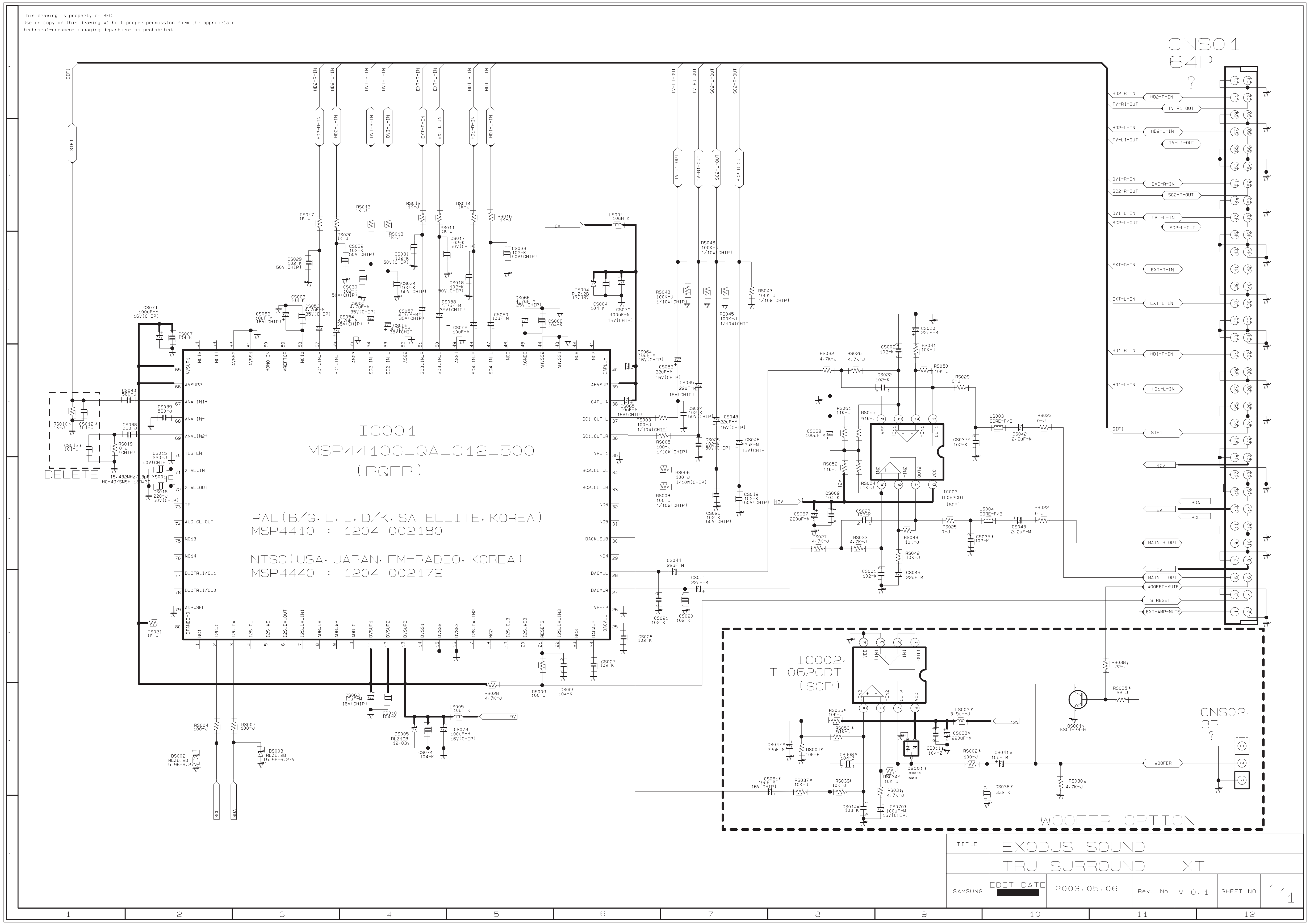
5-15 MICOM


CN901
64P
IC901
SDA6001-B12
(MQFP)
IC902
M27V160
IC903
4S641632
(TSOP)
IC907
PCF8574T
(SOP)
IC905
IC906
CN905
14P
TITLE
GLADIATOR MICOM MODULE
MODEL
SAMSUNG
Doc. CODE
Rev. No
SHEET NO
1 / 1

5-16 SOUND


This drawing is property of SEC
Use or copy of this drawing without proper permission form the appropriate
technical-document managing department is prohibited.
IC001
MSP4410G_QA_C12_500
(PQFP)
PAL(B/G.L.I.D/K.SATELLITE.KOREA)
MSP4410 : 1204-002180
NTSC(USA.JAPAN.FM-RADIO.KOREA)
MSP4440 : 1204-002179
DELETE
IC003
TL062CDT
(SOP)
IC002*
TL062CDT
(SOP)
CNS01
64P
CNS02*
3P
WOOFER OPTION
SIF1
HD2-R-IN
HD2-L-IN
DVI-R-IN
DVI-L-IN
EXT-R-IN
EXT-L-IN
HD1-R-IN
HD1-L-IN
TV-L1-OUT
TV-R1-OUT
SC2-L-OUT
SC2-R-OUT
MAIN-R-OUT
MAIN-L-OUT
WOOFER-MUTE
S-RESET
EXT-AMP-MUTE
WOOFER
SDA
SCL
12V
8V
5V
TITLE
EXODUS SOUND
TRU SURROUND - XT
SAMSUNG
EDIT DATE
2003.05.06
Rev. No
V 0.1
SHEET NO
1/1
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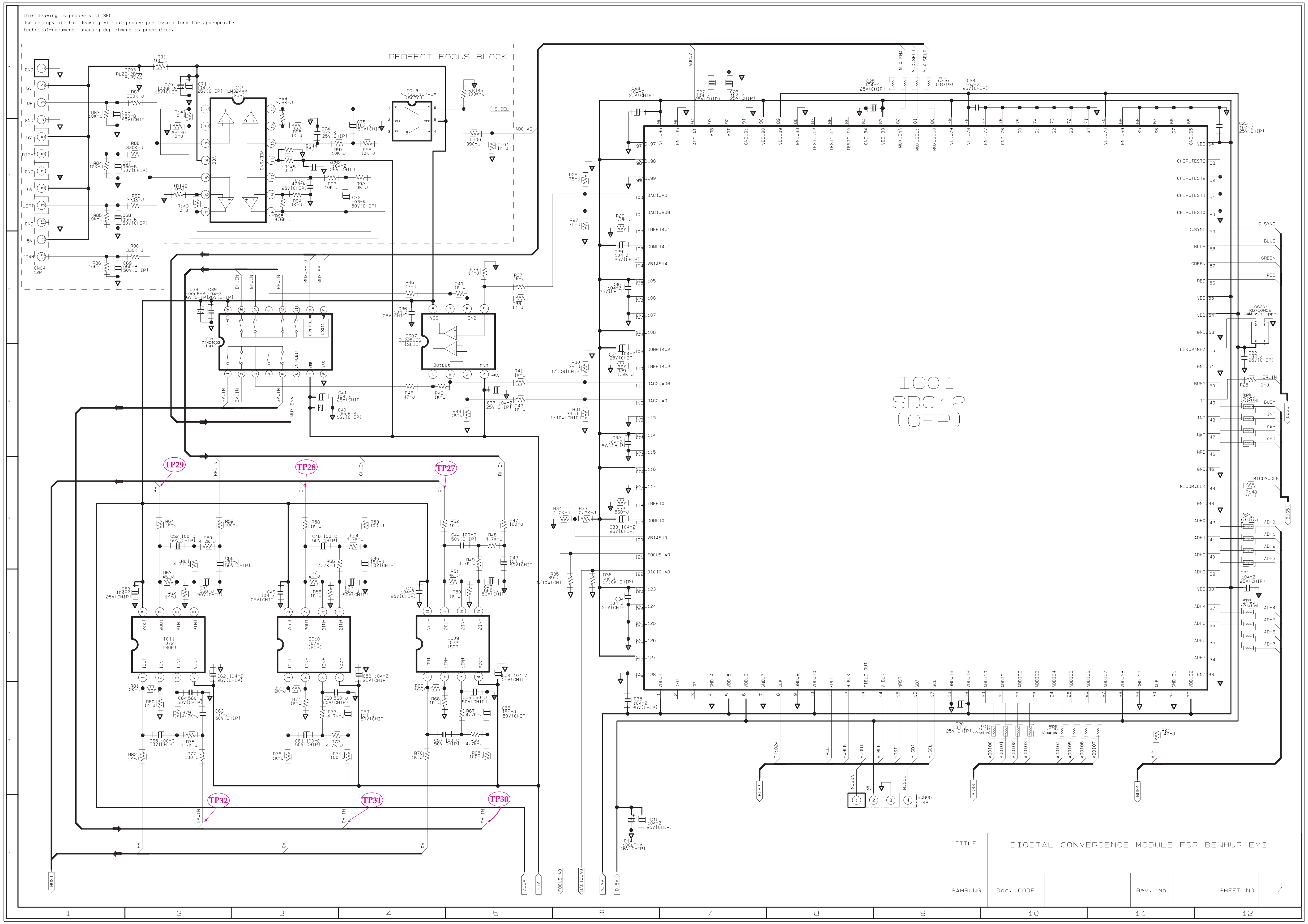
5-17 CONVERGANCE 1/2


This drawing is property of SEC
Use or copy of this drawing without proper permission form the appropriate technical-document managing department is prohibited.
PERFECT FOCUS BLOCK
IC12 LM324AM (SOP)
IC13 NC7SB3157P6X (SC70)
IC08 74HC4052 (SOP)
IC07 EL2250CS (SOIC)
IC11 072 (SOP)
IC10 072 (SOP)
IC09 072 (SOP)
IC01 SDC12 (QFP)
CN04 12P
CN05 4P
OSC01 KS75DHCE 24MHz/100ppm
TP27
TP28
TP29
TP30
TP31
TP32
ADC.AI
S.SEL
C.SYNC
BLUE
GREEN
RED
BUSY
INT
nWR
nRD
MICOM.CLK
FOCUS.AO
DAC10.AO
3.3V
5V
-5V
BUS1
BUS2
BUS3
BUS4
BUS5
BUS6
TITLE
DIGITAL CONVERGENCE MODULE FOR BENHUR EMI
SAMSUNG
Doc. CODE
Rev. No
SHEET NO
1
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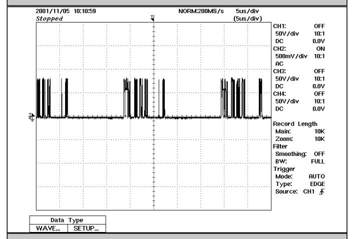
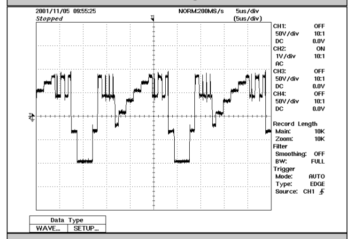
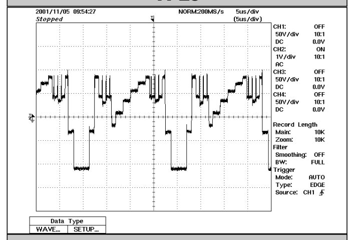
TP27



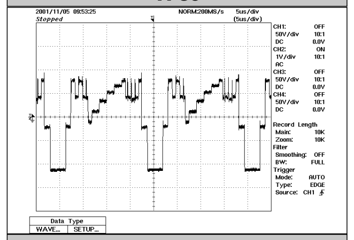
TP28



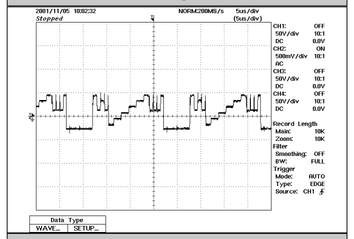
TP29



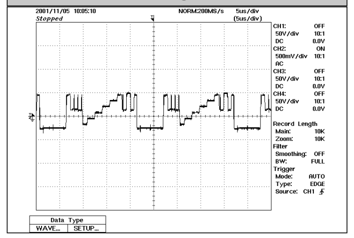
TP30



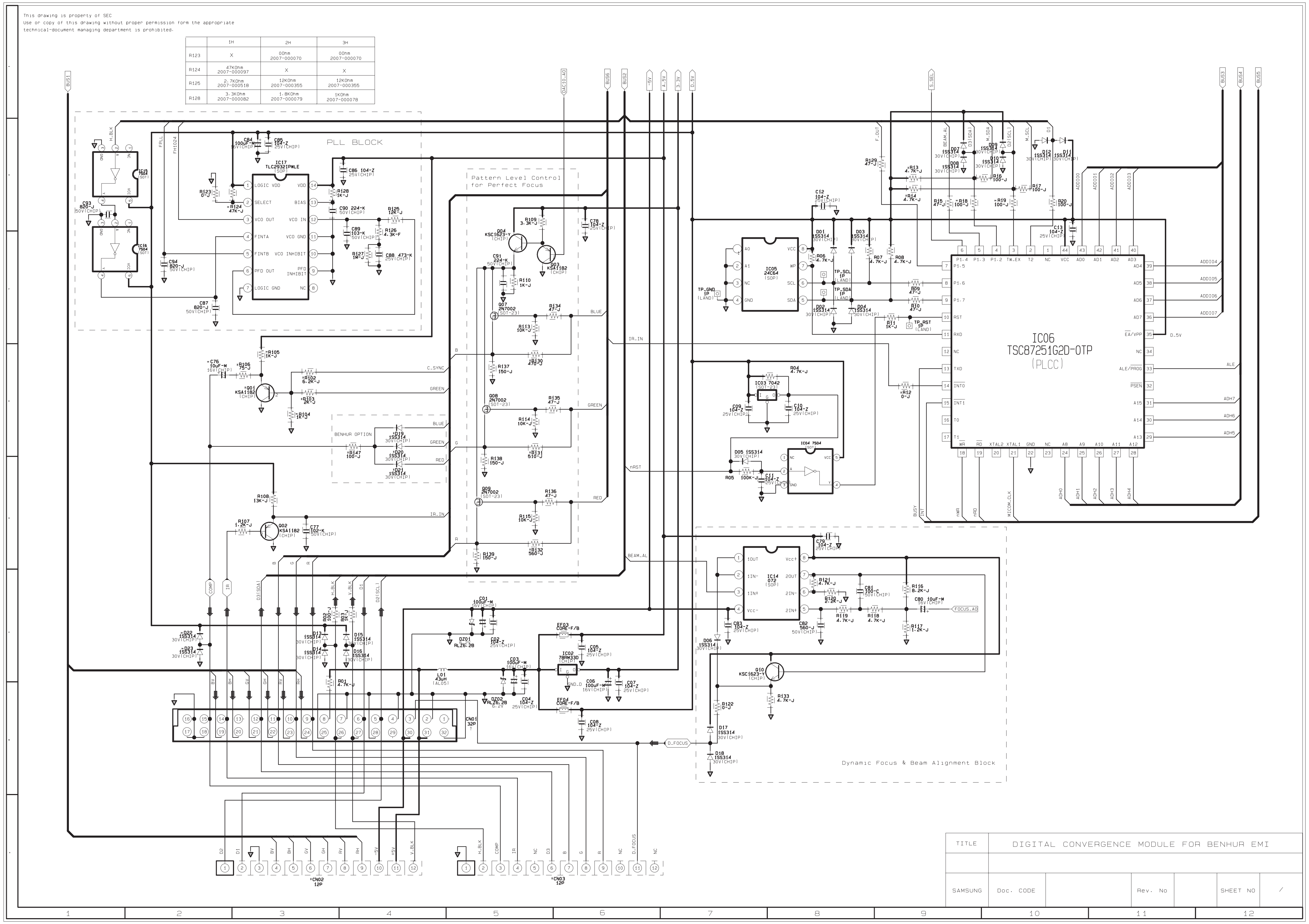
TP31



TP32



5-18 CONVERGANCE 2/2



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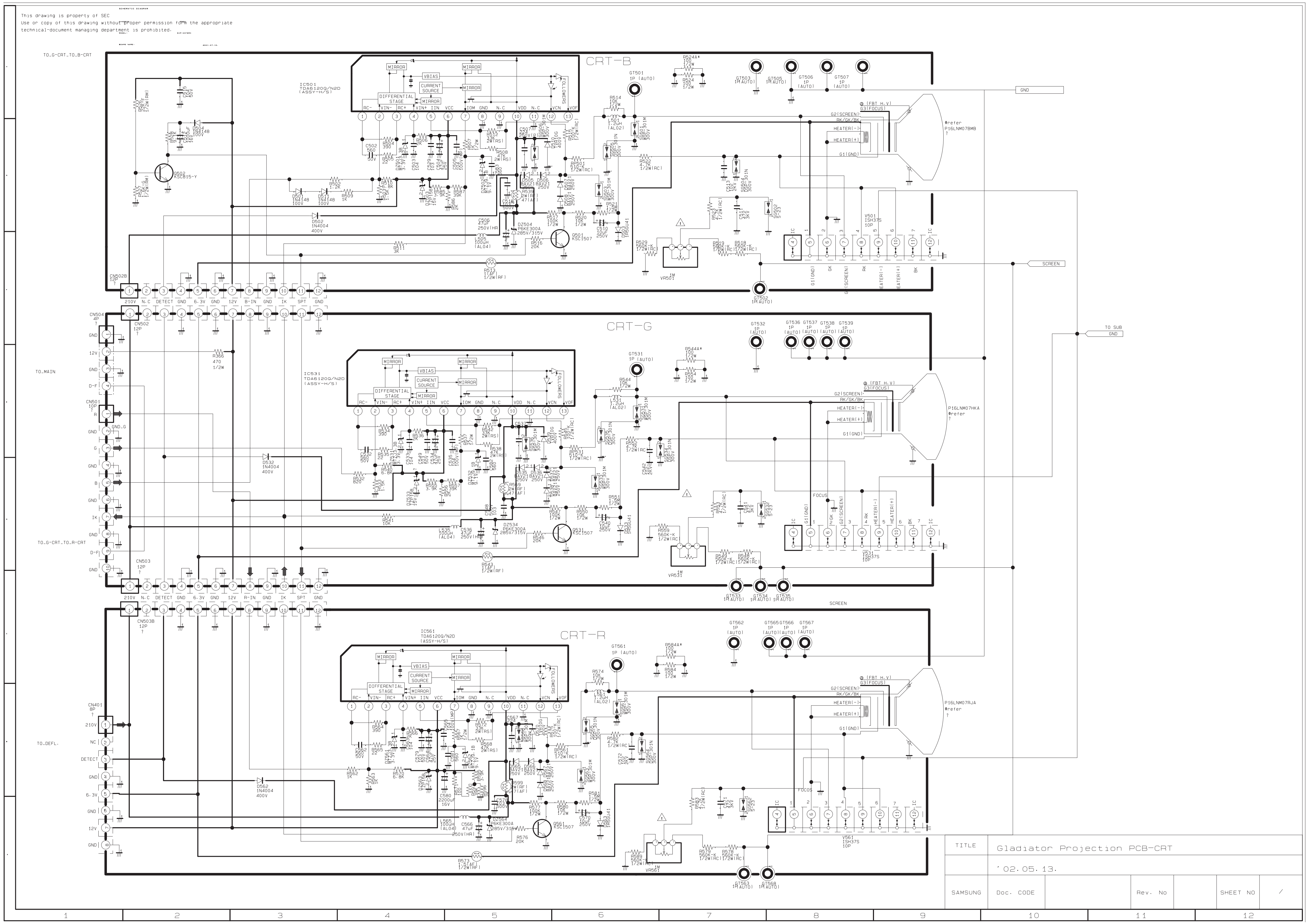
	1H	2H	3H
R123	X	0Ohm 2007-000070	0Ohm 2007-000070
R124	47KOhm 2007-000097	X	X
R125	2.7KOhm 2007-000518	12KOhm 2007-000355	12KOhm 2007-000355
R128	3.3KOhm 2007-000082	1.8KOhm 2007-000079	1KOhm 2007-000078

TITLE	DIGITAL CONVERGENCE MODULE FOR BENHUR EMI					
SAMSUNG	Doc. CODE		Rev. No		SHEET NO	/

PLL BLOCK
IC17
TLC2932IPWLE
(SOP)
LOGIC VDD
SELECT
VCO OUT
FINTA
FINTB
PFD OUT
LOGIC GND
VDD
BIAS
VCO IN
VCO GND
VCO INHIBIT
PFD INHIBIT
NC
IC15 7504 (SOT)
IC16 7504 (SOT)
Pattern Level Control for Perfect Focus
BENHUR OPTION
IC05 24C64 (SOP)
IC03 7042 (SOT-23)
IC04 7504 (SOT)
IC06
TSC87251G2D-OTP
(PLCC)
IC14 072 (SOP)
IC02 78RM330 (CHIP)
Dynamic Focus & Beam Alignment Block
CN01 32P
CN02 12P
CN03 12P
BUS1
BUS2
BUS3
BUS4
BUS5
BUS6
S.SEL
D4C10_A0
-5V
4.5V
3.3V
D.5V
H_BLK
V_BLK
FPLL
FH1024
BLUE
GREEN
RED
C.SYNC
IR_IN
nRST
BEAM_AL
FOCUS_A0
D_FOCUS
ALE
COMP
IR
1
2
3
4
5
6
7
8
9
10
11
12

5-19 CRT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TO_G-CRT_TO_B-CRT
CRT-B
CRT-G
CRT-R
IC501
TDA6120Q/N2D
(ASSY-H/S)
IC531
TDA6120Q/N2D
(ASSY-H/S)
IC561
TDA6120Q/N2D
(ASSY-H/S)
MIRROR
VBIAS
CURRENT SOURCE
DIFFERENTIAL STAGE
FOLLOWERS
CN502B
CN502
12P
CN503
12P
CN503B
12P
CN504
4P
CN501
10P
CN401
8P
210V
N.C
DETECT
GND
6.3V
12V
B-IN
R-IN
IK
SPT
TO_MAIN
TO_G-CRT_TO_R-CRT
TO_DEFL.
D-F
GND_G
Q503
KSC815-Y
Q501
KSC1507
Q531
KSC1507
Q561
KSC1507
D502
1N4004
400V
D532
1N4004
400V
D562
1N4004
400V
DZ504
P6KE300A
DZ534
P6KE300A
DZ564
P6KE300A
VR501
VR531
VR561
V501
ISH37S
10P
V531
ISH37S
10P
V561
ISH37S
10P
P16LNM07BMB
P16LNM07HKA
P16LNM07RJA
G2(SCREEN)
G3(FOCUS)
HEATER(-)
HEATER(+)
G1(GND)
(FBT H.V)
FOCUS
SCREEN
GND
TO SUB
GND
TITLE
Gladiator Projection PCB-CRT
'02.05.13.
SAMSUNG
Doc. CODE
Rev. No
SHEET NO
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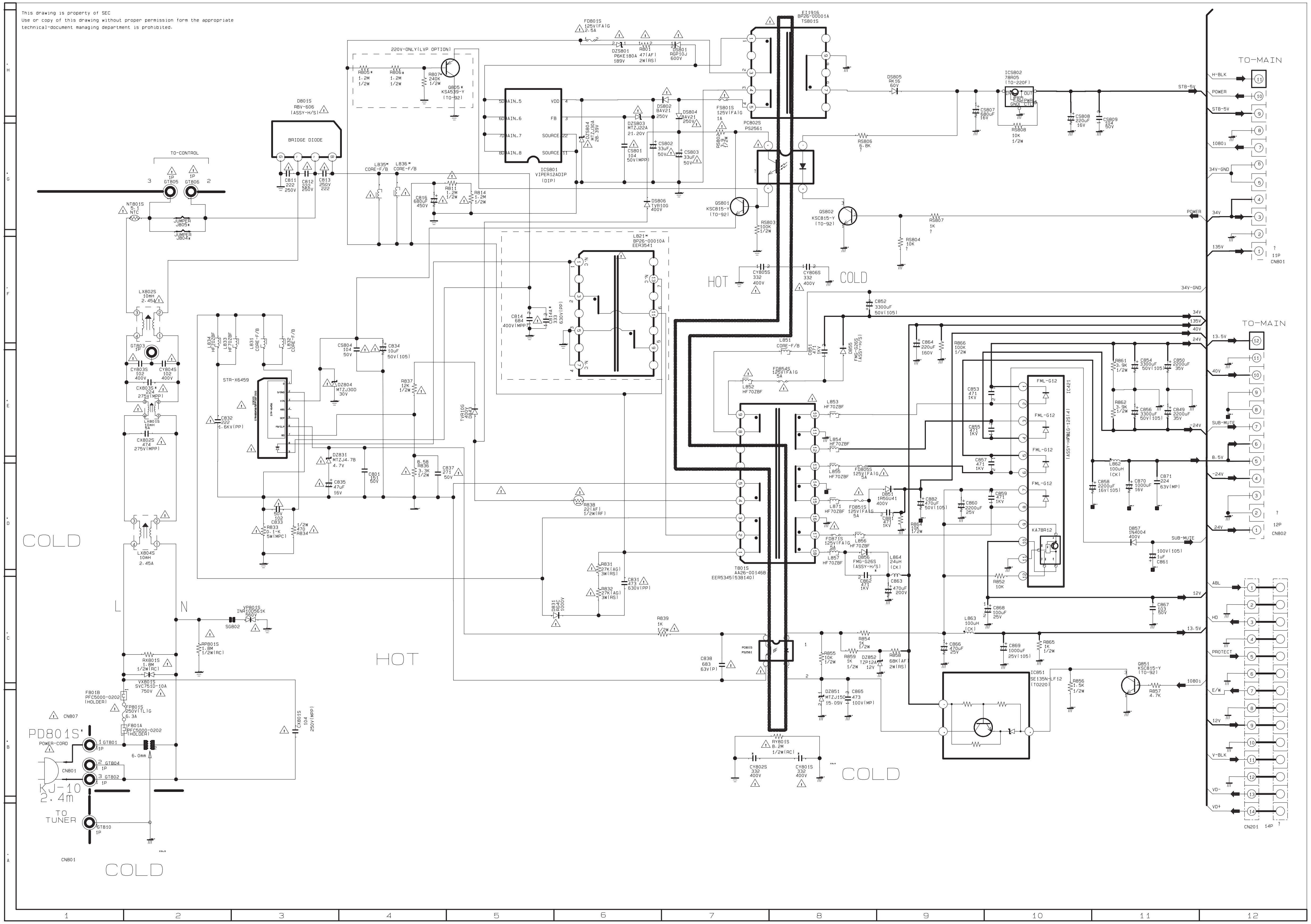
5-20 SUB POWER 1/2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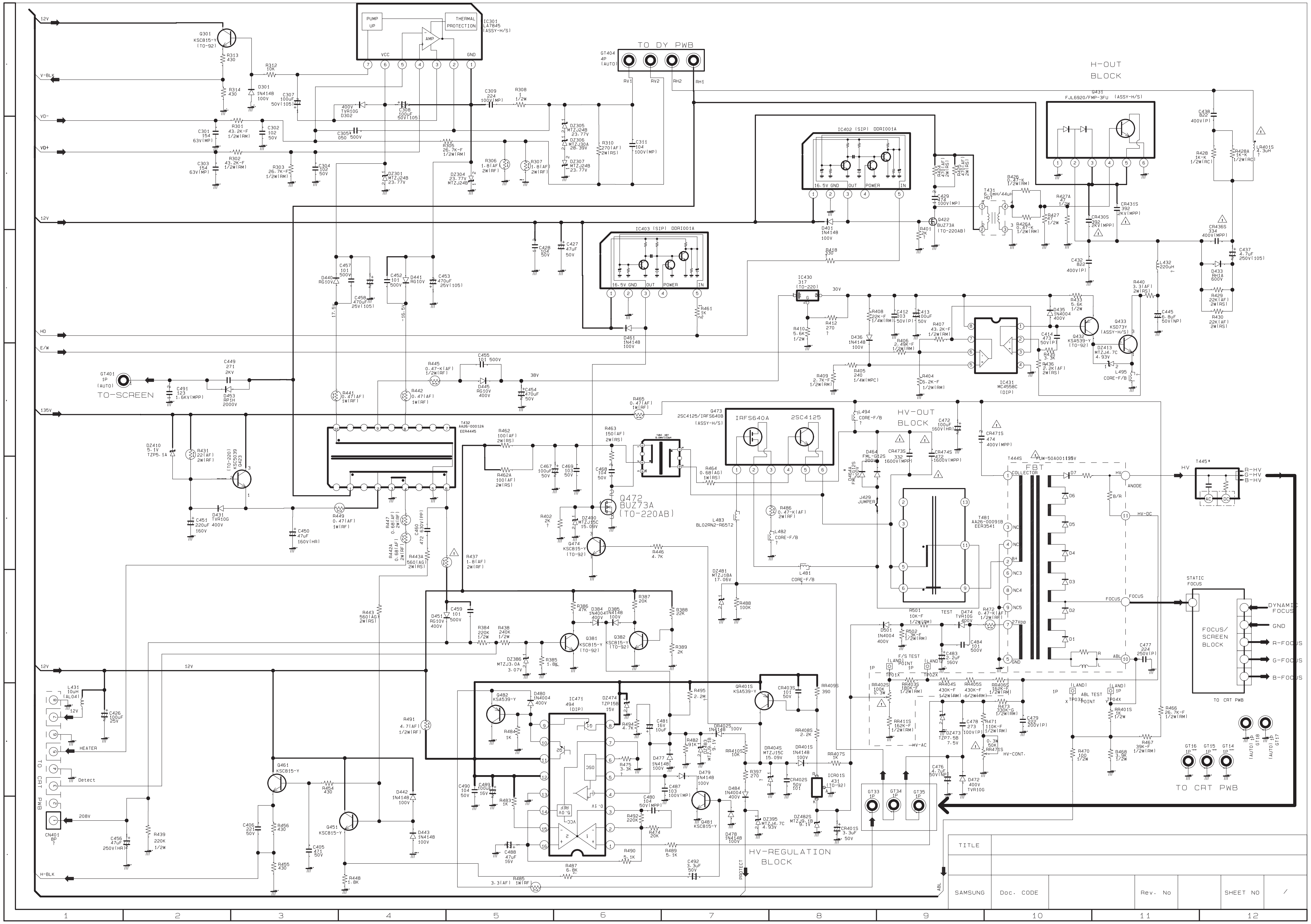
TO-MAIN
TO-MAIN
COLD
HOT
COLD
HOT
COLD
COLD
L
N
TO-CONTROL
BRIDGE DIODE
D801S
RBV-606
(ASSY-H/S)
220V-ONLY(LVP OPTION)
ICS801
VIPER12ADIP
(DIP)
ICS802
78R05
(TO-220F)
FD801S
125V(FAIG
2.5A
T801S
AA26-00146B
EER5345(53B140)
LB21*
BP26-00010A
EER3541
FIT916
BP26-00001A
T5801S
STR-X6459
FML-G12
FML-G12
FML-G12
FML-G12
KA78R12
IC851
SE135N-LF12
(TO220)
PC802S
PS2561
Q5801
KSC815-Y
(TO-92)
Q5802
KSC815-Y
(TO-92)
Q851
KSC815-Y
(TO-92)
CN801
11P
CN802
12P
CN201
14P
CN807
PD801S'
POWER-CORD
KJ-10
2.4m
TO
TUNER
GT801
GT802
GT804
GT805
GT806
GT810
F801B
PFC5000-0202
(HOLDER)
F801A
PFC5000-0202
(HOLDER)
FP801S
250V(TL)G
6.3A
VX801S
SVC751D-10A
750V
RX801S
1.8M
1/2W(RC)
LX802S
10mH
2.45A
LX801S
10mH
5A
LX804S
10mH
2.45A
CX802S
474
275V(MPP)
CX803S
224
275V(MPP)
CX801S
104
250V(MPP)
VP801S
INP100561K
560V
SG802
RP801S
1.8M
1/2W(RC)
RY801S
8.2M
1/2W(RC)
CY802S
332
400V
CY801S
332
400V
CY805S
332
400V
CY806S
332
400V
NT801S
5.1
NTC
JUMPER
J805*
JUMPER
J804*
H-BLK
POWER
STB-5V
1080i
34V-GND
POWER
34V
135V
34V-GND
13.5V
40V
SUB-MUTE
-24V
8.5V
-24V
24V
SUB-MUTE
ABL
HD
PROTECT
E/W
12V
V-BLK
VD-
VD+
STB-5V
34V
135V
40V
24V
12V
13.5V
1080i
1
2
3
4
5
6
7
8
9
10
11
12
A
B
C
D
E
F
G
H

5-21 SUB POSER 2/2


12V
V-BLK
VD-
VD+
HD
E/W
135V
H-BLK
TO-SCREEN
IC301
LA7845
(ASSY-H/S)
PUMP UP
THERMAL PROTECTION
AMP
VCC
GND
TO DY PWB
GT404
H-OUT BLOCK
Q431
FJL6920/FMP-3FU
IC402 (SIP) DDR1001A
IC403 (SIP) DDR1001A
16.5V GND
OUT
POWER
IN
Q422
BUZ73A
(TO-220AB)
IC430
IC431
MC4558C
(DIP)
Q433
KSD73Y
T432
Q473
2SC4125/IRFS640B
IRFS640A
2SC4125
HV-OUT BLOCK
Q472
BUZ73A
(TO-220AB)
FBT
T481
COLLECTOR
ANODE
HV-DC
FOCUS
ABL
HV
R-HV
G-HV
B-HV
T445
STATIC FOCUS
FOCUS/ SCREEN BLOCK
DYNAMIC FOCUS
GND
R-FOCUS
G-FOCUS
B-FOCUS
TO CRT PWB
IC471
494
(DIP)
HV-REGULATION BLOCK
HEATER
Detect
TO CRT PWB
CN401
Q461
KSC815-Y
Q451
KSC815-Y
Q481
KSC815-Y
GT33
GT34
GT35
GT14
GT15
GT16
GT17
GT18
PROTECT
ABL
TITLE
SAMSUNG
Doc. Code
Rev. No
SHEET NO
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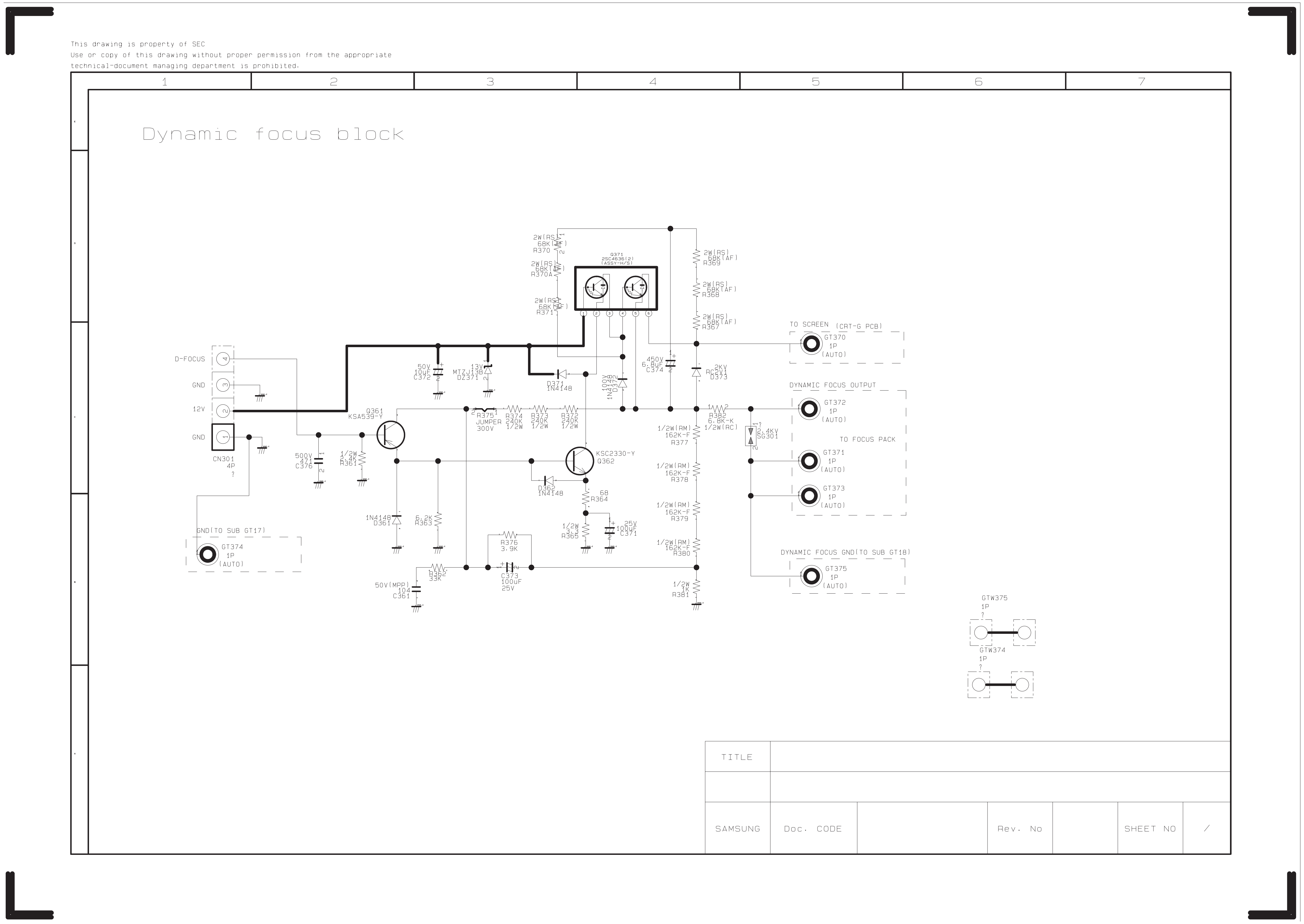
5-22 DYNAMIC FOCUS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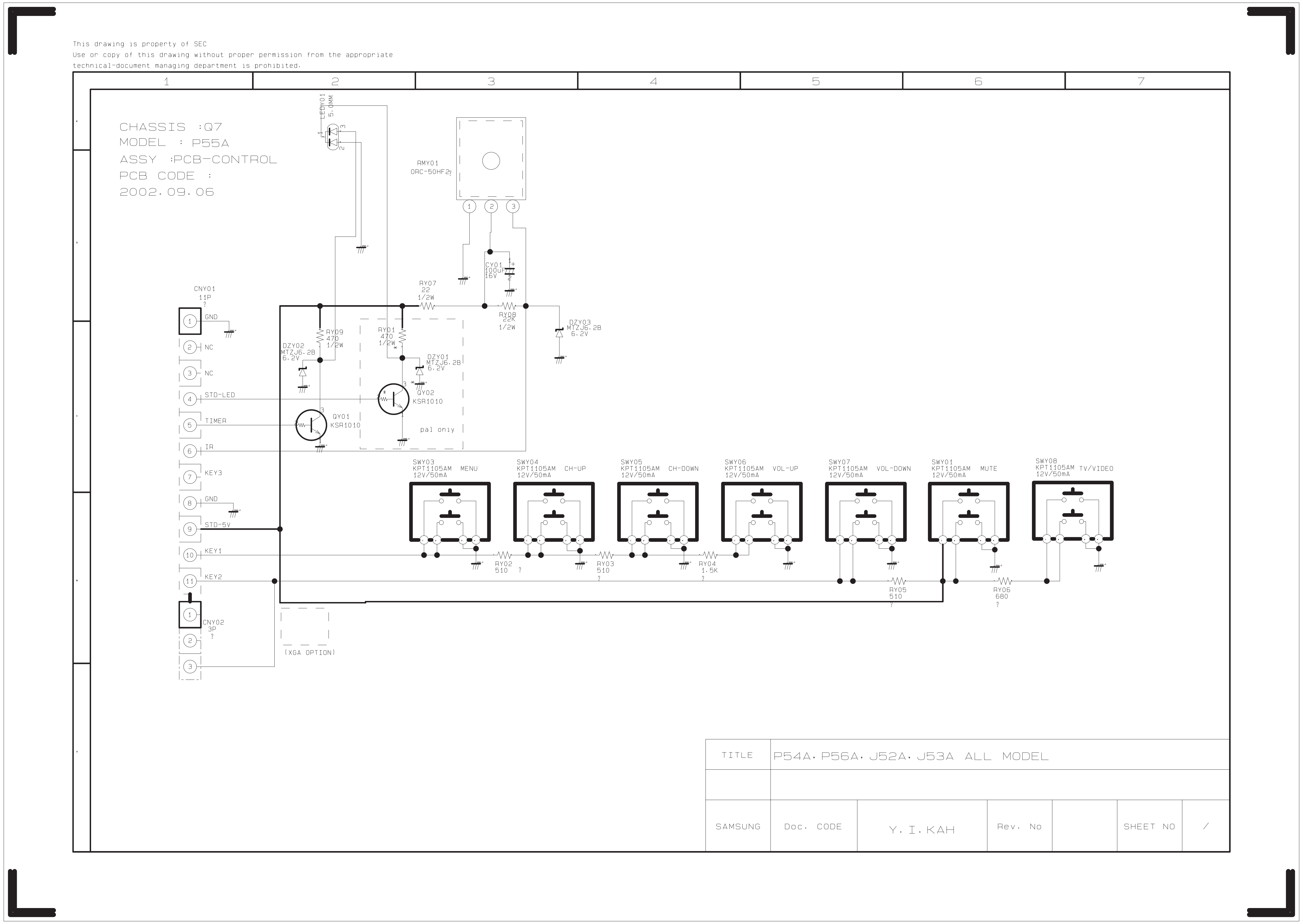
1
2
3
4
5
6
7
Dynamic focus block
D-FOCUS
GND
12V
GND
CN301
4P
?
GND(TO SUB GT17)
GT374
1P
(AUTO)
500V
471
C376
1/2W
2.4K
R361
Q361
KSA539-Y
1N4148
D361
6.2K
R363
50V(MPP)
104
C361
R362
33K
50V
10uF
C372
13V
MTZJ13B
DZ371
R375
JUMPER
300V
R374
240K
1/2W
R373
240K
1/2W
R372
240K
1/2W
R376
3.9K
C373
100uF
25V
2W(RS)
68K(AF)
R370
2W(RS)
68K(AF)
R370A
2W(RS)
68K(AF)
R371
Q371
2SC4636(2)
(ASSY-H/S)
D371
1N4148
100V
1N4148
D372
KSC2330-Y
Q362
D362
1N4148
68
R364
1/2W
3.3
R365
25V
100uF
C371
450V
6.8uF
C374
2W(RS)
68K(AF)
R369
2W(RS)
68K(AF)
R368
2W(RS)
68K(AF)
R367
2KV
RC2V1
D373
R382
6.8K-K
1/2W(RC)
1/2W(RM)
162K-F
R377
1/2W(RM)
162K-F
R378
1/2W(RM)
162K-F
R379
1/2W(RM)
162K-F
R380
1/2W
1K
R381
2.4KV
SG301
TO SCREEN (CRT-G PCB)
GT370
1P
(AUTO)
DYNAMIC FOCUS OUTPUT
GT372
1P
(AUTO)
TO FOCUS PACK
GT371
1P
(AUTO)
GT373
1P
(AUTO)
DYNAMIC FOCUS GND(TO SUB GT18)
GT375
1P
(AUTO)
GTW375
1P
?
GTW374
1P
?
TITLE
SAMSUNG
Doc. CODE
Rev. No
SHEET NO
/

5-23 CONTROL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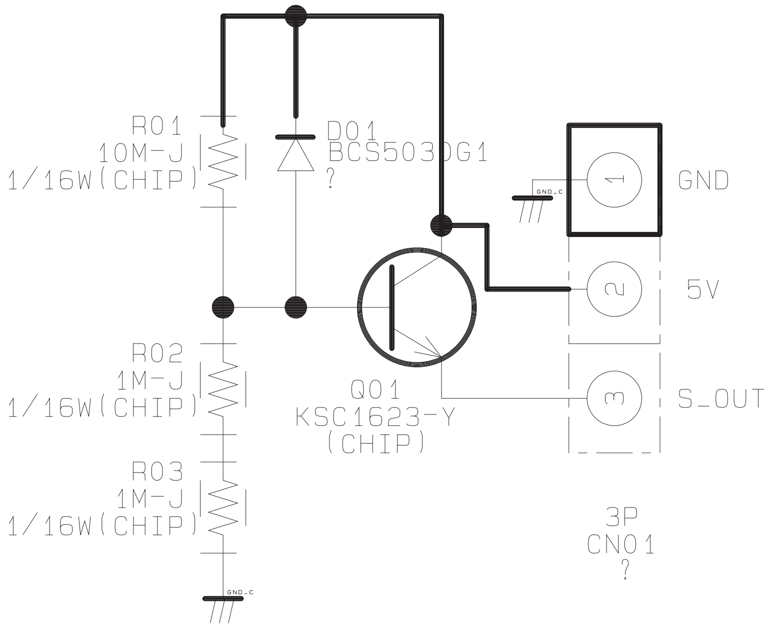
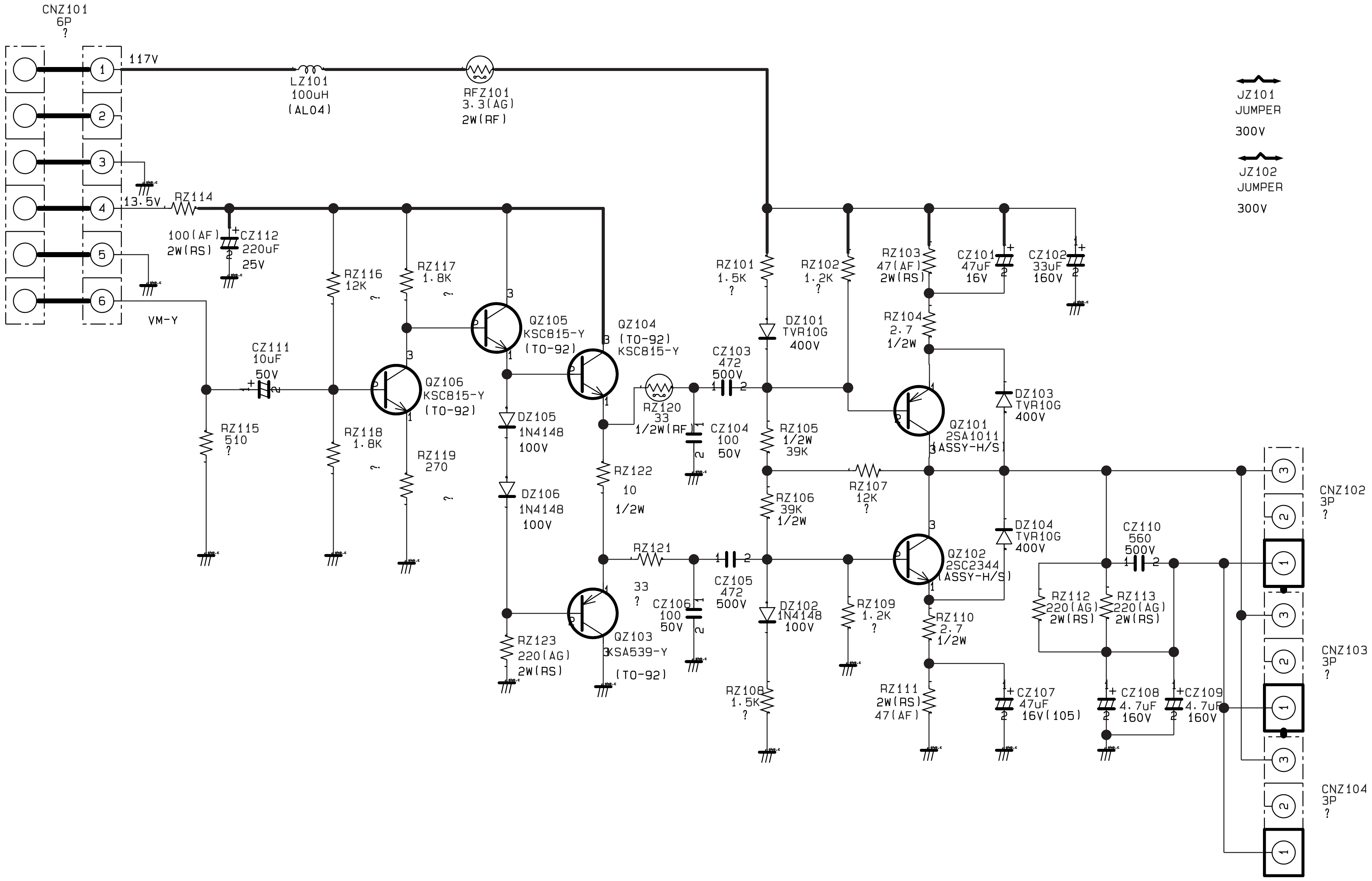
1
2
3
4
5
6
7
CHASSIS :Q7
MODEL : P55A
ASSY :PCB-CONTROL
PCB CODE :
2002. 09. 06
LEDY01
5.0MM
RMY01
ORC-50HF2?
CY01
100uF
16V
RY07
22
1/2W
RY08
22K
1/2W
DZY03
MTZJ6.2B
6.2V
CNY01
11P
?
GND
NC
NC
STD-LED
TIMER
IR
KEY3
GND
STD-5V
KEY1
KEY2
RY09
470
1/2W
DZY02
MTZJ6.2B
6.2V
RY01
470
1/2W
DZY01
MTZJ6.2B
6.2V
QY02
KSR1010
QY01
KSR1010
pal oniy
CNY02
3P
?
(XGA OPTION)
SWY03
KPT1105AM MENU
12V/50mA
SWY04
KPT1105AM CH-UP
12V/50mA
SWY05
KPT1105AM CH-DOWN
12V/50mA
SWY06
KPT1105AM VOL-UP
12V/50mA
SWY07
KPT1105AM VOL-DOWN
12V/50mA
SWY01
KPT1105AM MUTE
12V/50mA
SWY08
KPT1105AM TV/VIDEO
12V/50mA
RY02
510 ?
RY03
510
?
RY04
1.5K
?
RY05
510
?
RY06
680
?
TITLE
P54A. P56A. J52A. J53A ALL MODEL
SAMSUNG
Doc. CODE
Y. I. KAH
Rev. No
SHEET NO
/

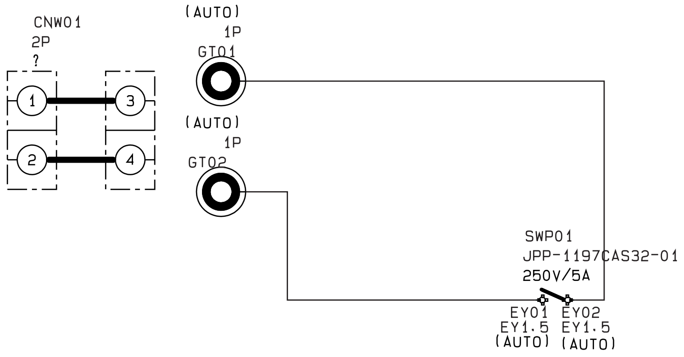
5-24 SIDE A/V


R01
10M-J
1/16W(CHIP)
D01
BCS5030G1
?
GND
5V
S_OUT
R02
1M-J
1/16W(CHIP)
Q01
KSC1623-Y
(CHIP)
R03
1M-J
1/16W(CHIP)
3P
CN01
?

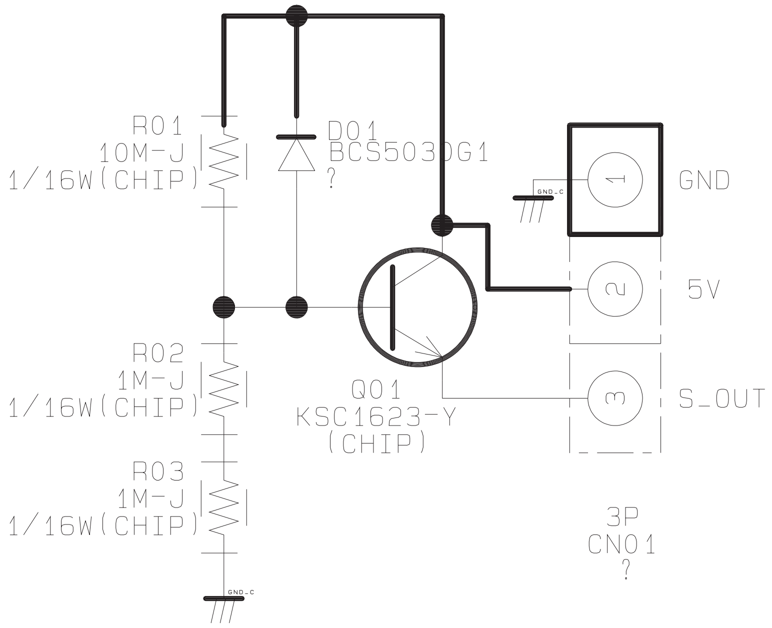
5-25 VM


CNZ101
6P
?
117V
LZ101
100uH
(AL04)
RFZ101
3.3(AG)
2W(RF)
JZ101
JUMPER
300V
JZ102
JUMPER
300V
13.5V
RZ114
100(AF)
2W(RS)
CZ112
220uF
25V
VM-Y
RZ116
12K
RZ117
1.8K
QZ105
KSC815-Y
(TO-92)
QZ104
(TO-92)
KSC815-Y
CZ111
10uF
50V
QZ106
KSC815-Y
(TO-92)
RZ115
510
?
RZ118
1.8K
RZ119
270
DZ105
1N4148
100V
DZ106
1N4148
100V
RZ120
33
1/2W(RF)
RZ122
10
1/2W
RZ121
33
?
RZ123
220(AG)
2W(RS)
QZ103
KSA539-Y
(TO-92)
CZ103
472
500V
CZ104
100
50V
CZ105
472
500V
CZ106
100
50V
RZ101
1.5K
?
DZ101
TVR10G
400V
RZ105
1/2W
39K
RZ106
39K
1/2W
DZ102
1N4148
100V
RZ108
1.5K
?
RZ102
1.2K
?
RZ103
47(AF)
2W(RS)
RZ104
2.7
1/2W
CZ101
47uF
16V
CZ102
33uF
160V
QZ101
2SA1011
(ASSY-H/S)
DZ103
TVR10G
400V
RZ107
12K
?
QZ102
2SC2344
(ASSY-H/S)
DZ104
TVR10G
400V
RZ109
1.2K
?
RZ110
2.7
1/2W
RZ111
2W(RS)
47(AF)
CZ107
47uF
16V(105)
CZ110
560
500V
RZ112
220(AG)
2W(RS)
RZ113
220(AG)
2W(RS)
CZ108
4.7uF
160V
CZ109
4.7uF
160V
CNZ102
3P
?
CNZ103
3P
?
CNZ104
3P
?

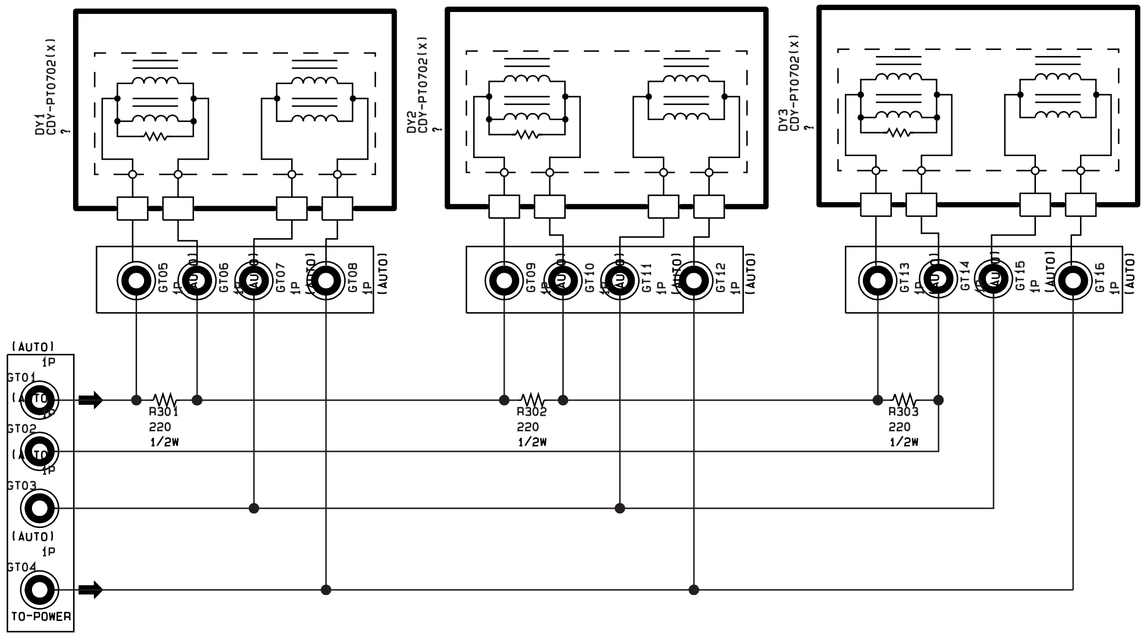
5-26 MASTER SWITCH


CNW01
2P
?
1
2
3
4
(AUTO)
1P
GT01
(AUTO)
1P
GT02
SWP01
JPP-1197CAS32-01
250V/5A
EY01
EY1.5
(AUTO)
EY02
EY1.5
(AUTO)

5-27 SENSOR


R01
10M-J
1/16W(CHIP)
D01
BCS5030G1
?
GND-C
1
GND
2
5V
3
S_OUT
R02
1M-J
1/16W(CHIP)
Q01
KSC1623-Y
(CHIP)
R03
1M-J
1/16W(CHIP)
3P
CN01
?
GND-C

5-28 DYNAMIC JACK


DY1
CDY-PT0702(x)
?
DY2
CDY-PT0702(x)
?
DY3
CDY-PT0702(x)
?
GT05
GT06
GT07
1P
GT08
1P
(AUTO)
GT09
GT10
GT11
1P
(AUTO)
GT12
1P
(AUTO)
GT13
GT14
GT15
1P
(AUTO)
GT16
1P
(AUTO)
(AUTO)
1P
GT01
GT02
1P
GT03
(AUTO)
1P
GT04
TO-POWER
R301
220
1/2W
R302
220
1/2W
R303
220
1/2W